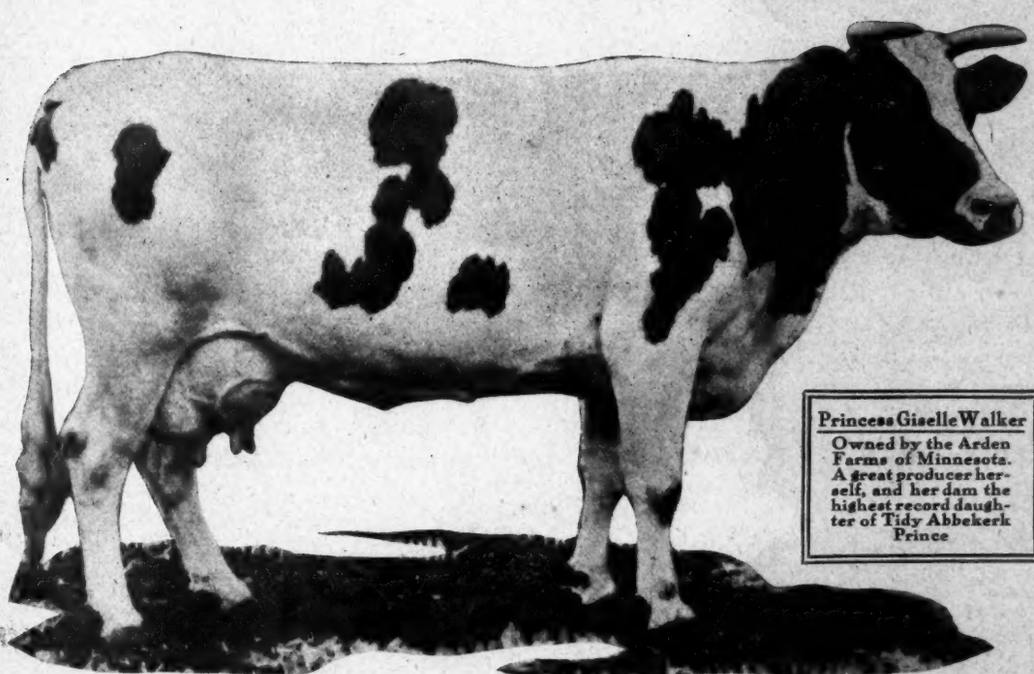
HOLSTEIN-FRIESIAN WORLD

WATERLOO, IOWA MARCH 16, 1918 SYRACUSE, N. Y.



Princess Giselle Walker

Owned by the Arden Farms of Minnesota. A great producer herself, and her dam the highest record daughter of Tidy Abbekerk Prince

TWO OF A KIND

King Korndyke Sadie Vale

King Echo Sylvia Johanna

The records of the two nearest dams of the former average

Butter 7 Days, 39.13 lbs.

The records of the two nearest dams of the latter average

Butter 7 Days, 39.17 lbs.

The former is a son of a 41-lb. cow and sired by a son of a 37-lb. cow.

The latter is a son of a 37-lb. cow and sired by a son of a 41-lb. cow.

Both have been mated with the very best cows of the breed, including K. K. S. V. Topsy, the 40-lb. 3-year-old, and May Echo Sylvia, the great Canadian Champion.

Both are magnificent individuals, of massive size, more white than black, and sire calves of unusual excellence.

KING KORNDYKE SADIE VALE—is the only sire in the world:

1. Having a 40-lb. dam and a 40-lb. daughter.
2. Having a 40-lb. dam, a 40-lb. sister and 40-lb. daughter.
3. Having a daughter to make 40 lbs. at 3 years of age—after dropping twin calves.
4. Having a daughter to make over 29 lbs. at 24 months of age.

To mate with these great producing heifers we have chosen

KING ECHO SYLVIA JOHANNA—A direct descendant of two of Canada's greatest cows.

1. His dam has twice crossed the 37-lb. mark.
2. His sire's dam has thrice crossed the 36-lb. mark.
3. His maternal sister has twice crossed the 33-lb. mark.
4. His sire's sister is Canadian Champion in her class, making 34.08 lbs. at 3 years.

Get a young bull with a cross of these two great sires

BROTHERTOWN FARMS

QUENTIN McADAM, Owner **23 South St., UTICA, N. Y.**

SIR PRILLY SEGIS

Is the only bull, living or dead, who ever sired fourteen first calf two-year-olds, averaging better than 22 lbs. of butter in a week

We have no desire to lock horns with those of our fellow breeders who would have us modify the above statement.

We are given to understand that our critics are mainly actuated by a desire to eliminate any possible incorrectness from the record.

In our firm belief that "Truth is mightier than all else and that it alone can prevail," we are compelled to again go on record with our facts as follows:

> "Of the above fourteen daughters of Sir Prilly Segis, the first one started her record on Nov. 25, 1916, and the fourteenth finished on May 15, 1917."

Time, from start to finish, 5 months and 21 days. We hope this record will be surpassed in the future. In the meantime, we must still insist that no herd sire outside of "Sir Prilly Segis," since the creation of time, ever showed equal to this performance.

JULIUS SCHMID

Beaver Dam Stock Farm **MONTGOMERY, N. Y.**

There will be a consignment to the

Iowa Holstein-Friesian Breeders' Sale

at

DES MOINES, IOWA

MARCH 27th AND 28th

and

King Korndyke Pontiac Lass

will tell you all about it next week as he is at the head of the

IOWA BELLE HERD

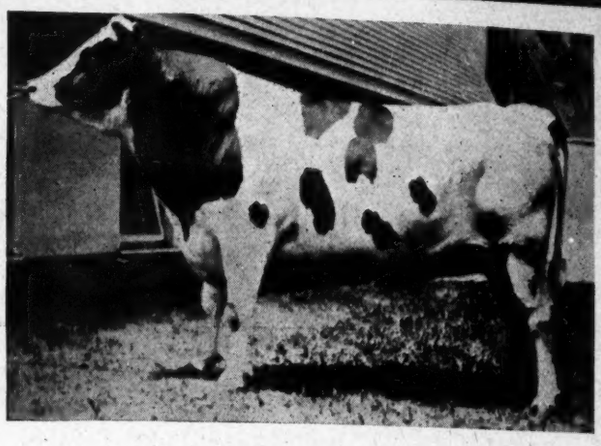
You know he is a son of the first 44-lb. cow and—blood tells

C. S. MULKS, Prop. **RICEVILLE, IOWA**

This is

JUDGE SEGIS
—80912—

He has
28 A. R. O. Daughters
Herd Sire at
Hollywood Farm



OUR HERD CONTAINS

10 cows with A. R. O. records for seven days from 30 to 40.45 pounds.
73 cows with A. R. O. records from 20 to 30 pounds butter in seven days, including two-year-olds.
We make a specialty in yearly records also.

Watch the MOYER sale at Syracuse, March 19th, 20th, 21st next, and see what values breeders place on his daughters and order one of his sons for your future herd sire of—

HOLLYWOOD FARM **Hollywood, Wash.**

COMING SALES

The Binghamton Sale

BINGHAMTON, NEW YORK

MAY 16-17, 1918

This will be a sale of extra choice dairy cattle (about 180 head) that will make money for their purchasers. It will pay you to wait for this sale.

Eastern Breeders' Second Sale

SYRACUSE, NEW YORK

MAY 14-15, 1918

This is a sale of the same class as that held at Buffalo last April and will contain nothing but the best of high bred animals.

We have room for a few more consignments *of the right kind.* Write at once for entry blanks.

Liverpool Sale & Pedigree Co., Inc.

LIVERPOOL, NEW YORK

FRIESLAND FARM

Things We Ask You To Remember—

That we developed Lotta Clyde, Nebraska's first 30-lb. cow.

That we bred and developed Niva Kalmuck, Nebraska's first 45-lb. and sixth largest record cow in the world.

That our herd contains many wonderful sisters to this last mentioned cow—fully as promising as was she.

That we are breeders only—in the true sense of the word.

That you must be pleased with any animal you purchase from Friesland Herd.

OUR HERD BULLS

Rag Apple Korndyke Boon

A magnificent young son of the mighty sire, Rag Apple Korndyke 8th, that has sired the world's champion junior two-year-old and the world's champion senior three-year-old with 42.48 lbs. His dam is Fairview Korndyke Boon, a 32-lb. four-year-old daughter of Pontiac Korndyke, making Rag Apple Korndyke Boon a three-fourths brother to the new World's Champion.

Alcartra Hengerveld Segis De Kol

In many respects the best bred son of King Segis Pontiac Alcartra (the $50,000 sire). His dam is Meta Hengerveld, that sold in public sale for $3,600. Meta Hengerveld is by old Hengerveld De Kol and has a record of 30.15 lbs. Her dam is a 25-lb. sister to Small Hopes Piebe, 30.82 lbs., and to Woodcrest Meta Vernon De Kol, with 28,436 lbs. milk.

We are constantly testing our cows for A. R. O. work and a very large percentage increase their records each year. This is best exemplified in the sensational performance of Niva Kalmuck.

Just at present we can offer some splendidly bred calves from sisters to the 45-lb. cow. It is very likely the very calf you are seeking is now in our barns. Let us tell you of them.

B. B. DAVIS, Owner
1200 First National Bank
Omaha, Nebraska **HENRY STUBBE, Supt.**

The son of K P Polly Winana, recently advertised, has been sold.

However, I have several other youngsters, bred very similar, priced very reasonable, for which I would be glad to send charts and more detailed descriptions.

Also do not overlook the fact that I can at present spare some choicely bred heifers, at the right age to buy and breed to a good bull.

Remember we have King Hengerveld Segis 16th, that great son of the highest priced cow in the world—also bear in mind his second dam has just made better than 30 lbs., giving him an average of over 34 lbs. for his three nearest dams.

WARD STEVENS

LIVERPOOL, N. Y.

M-O-Y-E-R-D-A-L-E

IN THE

Moyer Holstein Sale

Syracuse, N. Y.—March 19, 20, 21, 1918

We have entered in this sale some of the best bred and most promising animals on Moyerdale Farm.

We are selling one of our last great daughters of King Segis, namely, Segis Mutual, with over 27 lbs. and due in June to King Joh.

We are also selling three very fine daughters of King Lyons. One of them is Cleopatra Lyons, a 30-lb. daughter of Cleopatra Gelsche, she from Prilly. This great heifer is due in April to King Joh.

We have also put in two daughters of King Korndyke Sadie Vale, a daughter of King Pieter, a daughter of King Segis Pontiac Alcartra, and lastly, Isabella Walker, a 22-lb. daughter of Isabella Hengerveld, a 30.43-lb. daughter of Isabella Clothilde Walker, 27 lbs.

Remember all of these animals come from a herd regularly tested for tuberculosis and all are guaranteed to stand a 60-day retest.

Come to this sale and see one of the greatest collections of animals ever collected for a three-day event.

H. A. MOYER
Syracuse, N. Y.

JAS. GILLETT
Superintendent

There are so many reasons why you should join the Holstein-Friesian Association of America (and no reason on earth why you should not) that you should act on this reminder NOW and

Become a Member of The Holstein-Friesian Association of America

When you stop to think of it co-operation **does** count these days. It is co-operation—working together—that gets things done. Every member of the Holstein-Friesian Association has nearly 11,000 other members all working with him to a common end. Such co-operation is invaluable to every breeder of pure-bred Holsteins.

The Association spends vast sums of money in promoting interest in the breed for the benefit of its members.

There is a decided prestige in being a member of the largest, strongest and strongest financially of all the dairy breeders' associations in the world.

There is, too, a financial benefit, inasmuch as members pay but half rates for registrations and the recording of transfers.

The fee for a life membership is but $25 (corporations and partnerships fee $25 for ten-year membership). There are no annual dues or assessments of any kind.

Any person of good character, who is a citizen of any country in North America, interested in the breeding of Holstein-Friesian cattle and the owner of such, may apply for membership and be considered by the Board of Directors.

You are invited to join—accept the invitation and write today for an application blank.

THE HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA Box 182 BRATTLEBORO, VERMONT

April 23 and 24, 1918

Those are the dates of our next sale at our

Sale Pavilion, Algonquin, Ill.

I will sell my entire herd at this time except the members of my Show Herd. I will hold them intact for the 1918 show season. There will be about 100 head of richly bred young females. About 50 daughters of **King Segis Pontiac**, also daughters of **Paul Calamo Korndyke** and **Joe Calamo Hengerveld**—those nice, straight backed kind that are so hard to find.

Spring Lake Dairy Farm

sells all of its herd and a lot of choicely bred young females.

In all there will be 175 head. Not old, worn-out band boxes, but nice young stuff with a future ahead of them.

WATCH THIS AD GROW

Write us for information

R. E. HAEGER, Sales Manager

Algonquin, Ill.

When you hear

King Segis Pontiac

You at once think of that **World's Famous Sire**, the one that combines the greatest breeding in the world. The one that has sired so many **High Priced Bulls** and so many **Top Notch Show Animals** as well as large producers.

THEY SAY

That a good bull is half your herd. That a poor bull is the whole herd. **No doubt** there are many herds where the bull is the **whole herd.**

Now I have sons of King that are show bulls in quality and they are from mighty good dams and these bulls are ready to go out and do someone a lot of good.

A party who was looking for a herd sire and had traveled over 500 miles, finally called on us and after looking our herd over remarked, "That is the best individual barn of cows I ever saw and the straightest and best lot of young bulls I have found." We will not mention any names where he had been, but the gentleman selected a young bull.

The Quality just sticks right out of them. Get busy now if you want one as we are not overloaded with bulls.

R. E. HAEGER

BOX W **ALGONQUIN, ILL.**

GENESEO HERD

—Where World's Record Animals Are Bred

Aaggie Cornucopia Johanna Lad 7th
Dam, 30.82 lbs.; sire's dam, 34.32 lbs.
19 A. R. O. Daughters

The sire and a brother of our **Aaggie Cornucopia Johanna Lad 7th** sired Winnie Korndyke Cornucopia, 31,034.2 lbs. milk, 1,200.9 lbs. butter in one year, and Lutske Vale Cornucopia, 31,246.9 lbs. milk in one year (world's record).

Korndyke Queen De Kol's Prince sired the dam of Winnie Korndyke Cornucopia and our other herd sire (at right). We bred Tilly Alcartra, 123,351.5 lbs. milk, 4,810.4 lbs. butter in five consecutive years (world's record for milk and butter).

We also have for sale several young bulls on our ranch at Hilton, Colo. Among them is one whose dam, sire's dam and granddam average over 29 lbs.

Leda Fobes Korndyke Prince
Sire, Korndyke Queen De Kol's Prince.
Dam, Leda Tiettie Fobes, 31.10 lbs.

McKAY BROTHERS, Waterloo, Iowa

CLUNY STOCK FARM · HOLSTEINS ·
Quality
Production
Health

CLUNY STOCK FARM

Offers Cluny Banostine Pontiac Aaggie 215494, born March 9, 1917, who combines splendid 7-day and yearly milk and butter production, as follows:

SEVEN-DAY PRODUCTION:

His dam (at 4 years)	25.098 lbs. Butter;	482.1 lbs. Milk;	4.14% fat
Sire's dam	35.103 lbs. Butter;	515.6 lbs. Milk;	5.44% fat
Dam's dam	32.948 lbs. Butter;	712.8 lbs. Milk;	3.69% fat
Average for three	31.049 lbs. Butter;	570.1 lbs. Milk;	4.35% fat

YEARLY PRODUCTION:

His sire's dam	1,344.3 lbs. Butter;	23,421.4 lbs. Milk;	4.59% fat
His three-fourths sister	1,322.9 lbs. Butter;	27,404.4 lbs. Milk;	3.86% fat
Average for two	1,333.6 lbs. Butter;	25,412.9 lbs. Milk;	4.19% fat

His sire is a son of Friend Hengerveld De Kol Butter Boy from Maplecrest Pontiac Application, the highest yearly record daughter of Pontiac Aaggie Korndyke.

R. BRUCE McPHERSON **HOWELL, MICHIGAN**

~MOYER~

March 7, 1918.

TO EVERYONE INTERESTED IN
HIGH CLASS HOLSTEINS:

For some time I have been calling your attention to the many splendid animals to be sold in my coming sale March 19-20-21, 1918, at the Liverpool Pavilion, Syracuse, New York.

As this will be the last opportunity I will have before that time I simply ask that you attend this sale in person and see sold Two Hundred Fifteen head of as fine animals as ever passed through a sale ring.

You will find several cows with records above 30 lbs.; several high record 2-year-olds up to 26 lbs.; many daughters and granddaughters of 30-lb. and 40-lb. cows; as well as cows and heifers in calf to all the greatest bulls of the breed. There will also be offered three unusually fine herd sires.

The animals are all guaranteed against tuberculosis for sixty days after the sale and a great percentage come from herds regularly tuberculin tested.

I hope you will attend. Your presence will be treated as complimentary and it matters not whether you come as a buyer or as a spectator, you will be most welcome.

I shall look forward with pleasure to your attending.

Very truly yours,

H. A. MOYER.

Five 30-lb. Cows For Sale

Also Daughters of 30-lb. Cows and 30-lb. Sires

A Few of the Good Ones

RHODA JEWEL ABBEKERK 3D GERBEN
Butter 7 days 32.15
Milk 582.10

GUDULTJE GERBEN WAYNE
Butter 7 days 31.32
Milk 516.10

JESSIE FOBES PIETERTJE DE KOL
Butter 7 days 29.47
Milk 580.00

ROBERTS PONTIAC BEAUTY
Butter 7 days at 4 yrs..... 29.32
Granddaughter of King of the Pontiacs

WOODCREST INA DE KOL 4TH—34.55 lbs. in 7 days, 143.97 lbs. in 30 days as a three-year-old. She holds the world's 30-day record in her class. Sired by Pietje 22d Son and from a 27-lb. daughter of a 20-lb. ten-year-old.

RHODA JEWEL ABBEKERK 3D GERBEN—32.15 lbs. butter in 7 days, 126.13 lbs. in 30 days. Dam of a 33-lb. four-year-old.

GERBEN BROOKLINE LASS—33.78 lbs. butter in 7 days as a three-year-old. Two of her daughters also for sale.

GUDULTJE GERBEN WAYNE—31.32 lbs. in 7 days. She is a three-fourths sister to a 32-lb. cow.

WOODCREST ISABELLA PIETJE—31.19 lbs. in 7 days as a three-year-old. Sired by Pietje 22d Son and from a 24-lb. three-year-old daughter of Homestead Girl De Kol Sarcastic Lad. The next dam a 27-lb. daughter of Admiral Walker.

JESSIE FOBES PIETERTJE DE KOL—29.47 lbs. in 7 days. A granddaughter of Homestead Jr. De Kol. Two of her daughters by 30-lb. grandsons of Sir Pietertje Ormsby Mercedes also listed.

ROBERTS PONTIAC BEAUTY—29.32 lbs. butter in 7 days as a four-year-old. She by a son of King of the Pontiacs and from a granddaughter of Pontiac Aaggie Korndyke.

IT QUEEN SEGIS—A yearling daughter of It. Her dam is a 26-lb. three-year-old daughter of King of the Pontiacs and from a 26-lb. daughter of Pontiac Clothilde De Kol 2d, 37 lbs. in 7 days and 1,270 lbs. in a year.

KORNDYKE ORMSBY PONTIAC NANNETTE—Another yearling daughter of It. Her dam is a 20-lb. two-year-old daughter of King of the Pontiacs.

WOODCREST BELLA WALKER—A daughter of King Walker and from a 31-lb. three-year-old daughter of Pietje 22d Son. Now on test.

FIFTEEN OTHERS OF EXCEPTIONALLY high class lines.

EVERY ANIMAL GUARANTEED A BREEDER AND TO BE FREE FROM TUBERCULOSIS. SOME OF THESE COWS ARE JUST FRESH—OTHERS HEAVY WITH CALF.

COME AND SEE THEM AT ONCE

THE E. C. SCHROEDER FARMS BOX 576-W MOORHEAD, MINN.

Holstein-Friesian World

VOL. XV WATERLOO, IOWA, MARCH 16, 1918 NO. 11

King of the Pontiacs

A SUMMARY OF HIS ACHIEVEMENTS —NO BULL CAN APPROACH THIS SHOWING

IT is the purpose of this story to follow as closely as possible the wonderful strides made by King of the Pontiacs during his development, terminating with the position occupied today—a position occupied by no other. Born March 5, 1905, the property of Stevens Brothers Hastings Company, he was immediately destined to become their leading herd sire and latterly to become the world's greatest sire of high record animals. There is no denying the fact he was afforded an opportunity far greater than was ever given another sire. Mated as he was with the best representatives of Brookside herd, as well as the best of several other herds, his offspring were naturally expected to outdo the get of any previous bull, and in this regard they fulfilled the highest expectation of their owners and, of far more value, the fullest expectations of the public at large.

The first daughter of King of the Pontiacs to be placed on official test and accepted to the Advanced Registry was K. P. Princess Belle, that began her record March 3, 1909, just two days before King of the Pontiacs was four years of age. Calving at the age of 22 months, she made 10.47 pounds of butter from 215.7 pounds of milk, making her record the property of A. D. Loren, New York. However, at the close of the first fiscal year, 1908-1909, we find him credited with 11 A. R. O. daughters, the best being K. P. Alcartra, that made 20.40 pounds of butter and was his first daughter to do this stunt. She will best be remembered as the dam of the youngster that later sold for $10,000. With this production she stood eighth for the year and was debarred from prize money, so that the first year his daughters did not win any of the association money. Not only was K. P. Alcartra his first 20-pound daughter, but she was likewise his first daughter to produce in excess of 400 pounds of milk, and later became his first 30-pound daughter.

The year 1909-1910 saw his list increased to 32 tested daughters, six of which had made better than 20 pounds, the best being K. P. Segis Inka, with her production of 26.03 pounds of butter from 451 pounds of milk for seven days and 102.9 pounds of butter from 1,930 pounds of milk in 30 days. In each division she stood third for the year and won a total of $50 prize money. Closely following her, but in the junior two-year-old class, we find K. P. Metis with 22.58 pounds of butter from 510 pounds of milk in seven days and 94.14 pounds of butter from 2,025.9 pounds of milk in 30 days. With these productions she also won second position in the 30-day division and fourth in the seven-day class, winning a total of $69 in prize money. Therefore we find, in the second year of his work, two of his daughters winning a total of $119 and almost 20 per cent of them producing in excess of 20 pounds of butter.

The year 1910-1911 held great and sensational things for him. We find him with just 50 tested daughters; two above 30 pounds; nine others above 20 pounds; six semi-official daughters; and with his first A. R. son—all as a six-year-old sire. We find his first 30-pound daughter in K. P. Alcartra that was also his first 20-pound daughter, and by her production of 30.85 pounds of butter in seven days and 121.29 pounds for 30 days, gained first place among the senior three-year-olds of the world—these records having been made after the completion of her year record of 761.46 pounds of butter from 15,528.3 pounds of milk as a two-year-old which was a world's record also. The calf dropped during this sensational lactation period was the now famous King Segis Pontiac Alcartra. Following again we find K. P. Metis with 31.74 pounds of butter from 654 pounds of milk as a senior three-year-old, which was also a world's record. On this production she naturally won first for the year, as she did with her 30-day production of 130 pounds of butter. Here we find his two 30-pound daughters far exceeding any like heifers of their age in the world, and his semi-official daughters performing uniformly greater than the daughters of any other bull, the first six averaging to make 728.13 pounds of butter from 15,583.6 pounds of milk. Their productions were, in fact, so far above the average that in their respective classes they managed to win a total of $233 of the association money for the year.

But in 1912 he came back with a rush. He was just past seven years of age—had 64 tested daughters, three above 30 pounds and 34 others above 20 pounds, which is better than 50 per cent producing in excess of that amount. Four of his daughters made better than 26 pounds as two-year-olds and six more entered the semi-official list, bringing the total to twelve so that he had two, K. P. Jewel and K. P. Segis Inka, above 800 pounds of butter and 16,000 pounds of milk. K. P. Manor Kate won first place in both the seven- and 30-day divisions in the senior two-year-old class, followed in second position in both classes by K. P. Lady so that they together won $150 and K. P. Susie broke the world's rec-

King of the Pontiacs

—Has twice as many 40-pound daughters as any other sire.
—Has more 30-pound daughters than any other sire.
—Is the only sire in the world with two 40-pound daughters and two 40-pound granddaughters
—Is the sire of the first 1,000-pound two-year-old.
—Is the sire of the first 44-pound cow.
—Was the first sire to have two 30-pound three-year-old daughters.
—Has more 20-pound daughters than any other sire has A. R. O. daughters.
—Is the only sire with 96 of his get to average over $1,100 in public sale.
—His entire list of tested daughters average over 20 pounds.
—Is the only sire with a 40-pound daughter whose sire and son have also produced 40-pound daughters.
—Fifteen world's butter records have been held by his daughters.

ord in the eight-months-after-calving class with 17.29 pounds as a junior two-year-old. His daughters were very successful during this period and won no less than $361 which was more than was won by them at any previous time.

In 1913 his daughters swept nearly everything before them. K. P. Pontiac Lass smashed the world's records for both seven and 30 days and became the first 44-pound cow; K. P. Manor Kate smashed the semi-official record in the senior two-year-old class and became the first heifer of her age to beat 1,000 pounds of butter and 22,000 pounds of milk, both of which are still world's records in their class. For the year we find his daughters occupying first position in both the seven- and 30-day divisions of the full-aged class; first and second position in the 30-day division of the senior two-year-old class; second position in the seven-day division of the senior two-year-old class; second position in the four-year-old and third position in the senior two-year-old division of the eight-months-after-calving class; first position in both the junior four-year-old and two-year-old class of the yearly division, also third in the senior three-year-old and second in the senior two-year-old class. Among the class leaders of the world we find them first in both the seven- and 30-day divisions of the full-aged class: third position in the senior three-year-old class; fourth position in the junior three-year-old class; second and sixth positions in the senior two year-old classes of the seven-day division; second position in both the senior two-year-old and junior three-year-old classes of the 30-day division; second position in the junior four-year-old class; first, second, sixth, seventh and eighth positions of the senior two-year-old class in semi-official work, and in the eight-months-after-calving division we find one with second position. These showings have never been approached by any other sire that ever lived. So successful were they that no less than $352.50 in prize money went to their owners.

At the close of 1914 we find King of the Pontiacs a century sire at the age of nine years—105 of his daughters had been accepted. Twenty-five of them had made semi-official records and no less than 61 had made better than 20 pounds. Eleven of the 20, or nearly 50 per cent of the class leaders in the senior two-year-old class of the semi-official division, were his daughters. While they continued to make sensational records none of them were able to get better than third positions in any class so that the total winnings were cut to $182.

At the close of 1915 he had 149 tested daughters and 76 sons that had sired tested daughters. Six of his get had crossed the 30-pound mark and 77 had made over 20 pounds, therefore it will be noted he still continued to carry his percentage well above 50 per cent in spite of his constantly growing list. K. P. Altoana Lilith won first in the 30-day division of the two-year-old class, but other than this the best his daughters were able to get was one-third, but so consistent were they in their production that they nailed $317 as their winnings.

During the next year his list increased to 186 daughters—eight more beat 30 pounds, bringing the total to 14; 102 made over 20 pounds and 35 had semi-official records. K. P. Gem broke the eight-months-after-calving record in the senior two-year-old class and led the semi-official class for the year. This year the winnings decreased to $231.

At the close of 1917 we find him King of All Kings. We find him the only sire in the world with 200 tested daughters, we find him with more 40-pound daughters, more 50-pound daughters, moer 25-pound daughters, more 20-pound daughters and more A. R. sons than any other sire that ever lived. His daughters have won almost $2,000 in association prize money, which will be considerably added to for it is understood that nearly 50 per cent of his daughters have never come into milk.

In summing up we find these things for King of the Pontiacs:

1. He has twice as many 40-pound daughters as any other sire.
2. He has more 30-pound daughters than any other sire.
3. He is the only sire in the world with two 40-pound daughters and two 40-pound granddaughters.
4. He is the sire of the first 1,000-pound two-year-old.
5. He is the sire of the first 44-pound cow.
6. He was the first sire to have two 30-pound three-year-old daughters.
7. He has more 20-pound daughters than any other sire has A. R. O. daughters.
8. He is the only sire with 96 of his get to average over $1,100 in public sale.
9. His entire list of tested daughters average over 20 pounds.
10. He is the only sire with a 40-pound daughter whose sire and son have also produced 40-pound daughters.
11. Fifteen world's butter records have been held by his daughters.

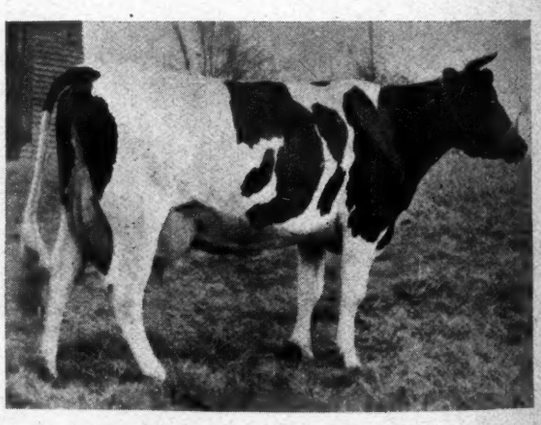
In fact he excels in so many ways it would be useless to attempt to list them all.

Among his daughters we find:
The first $10,000 cow.
The dam of the first $10,000 bull.
The dam of the $15,000 bull.
The dam of the first $35,000 bull.
The dam of the third $35,000 bull.

In the light of these facts, we must look upon King of the Pontiacs as the King of All Kings.

Daughters of Colantha Johanna Lad

Dutchland Colantha Denver



Dutchland Colantha Lady Change

Some exceptionally good work is being done in the Dutchland Farms herd of Massachusetts. Numerous 30-pound records have been made in the herd within the past year.

Two very good records have been made of late in the herd on daughters of Colantha Johanna Lad. These were mentioned in last week's issue and we are glad to present pictures herewith of these animals. To the left is Dutchland Colantha Denver, whose seven-day records mentioned last week have been increased to 36.12 pounds of butter from 702.5 pounds of milk in seven days. In her 30 days she has made over 140 pounds of butter and over 2,700 pounds of milk. This makes her the highest record daughter of her sire.

At the right is Dutchland Colantha Lady Change. Her seven-day records are 31.79 pounds of butter from 526.2 pounds of milk Both these cows are good specimens of the animals which make up the Dutchland Farms herd and, furthermore, they are representative of the other daughters of their noted sire. Colantha Johanna Lad is fast becoming one of the leading sires, and in many respects already stands in a class by himself.

Save Butter-Fat, Time and Labor for Yourself and for Uncle Sam with a

NEW DE LAVAL CREAM SEPARATOR

Save for Yourself

Butter-fat right now is selling at the highest price in many years, and you can't afford to waste an ounce of it.

Whether you are trying to get along without any cream separator or using an inferior or half-worn-out machine, you are losing valuable butter-fat that would soon pay for a New De Laval.

The De Laval is not only a cream saver but a time and labor saver, and with the present shortage of farm help every farmer needs to utilize time and labor saving machinery wherever it is possible to do so.

Save for Uncle Sam

It is the patriotic duty of every cow owner to save butter-fat. We are a nation at war, and not a particle of fat should be wasted. When all European countries are encouraging the use of the best cream separator, can we do less?

Buy Your De Laval Now

Railway delays are so serious that deliveries can't be depended upon, and if you don't order your De Laval early there is no telling when you can get it. Then, too, labor and material conditions may compel higher prices. The sooner you get a De Laval saving butter-fat and labor for yourself and Uncle Sam, the sooner it will pay for itself.

If you haven't the spare cash right now, that need not stand in the way of your getting a New De Laval at once. We have an arrangement with De Laval agents which makes it possible for any reputable farmer to secure a De Laval on the partial payment plan—a small payment at the time of purchase and the balance in several installments—so that your De Laval will actually pay for itself while you are using it and getting the benefit from it.

Why not see the nearest De Laval agent at once? If you do not know him, write to the nearest office for new catalog or any desired information.

The De Laval Separator Company

165 Broadway, New York 29 E. Madison St., Chicago

50,000 Branches and Local Agencies the World Over

Great Producing Dams of Today

Burton Highlawn 2d

By R. AUSTIN BACKUS

IF one were to visit the famous Maplecrest Farms in Ohio, and after going over the herd with Mr. Dimmick should ask him to what he attributed his success in the breeding of Holsteins, he would, without a doubt, and, in fact, with but slight hesitation, answer that he attributed his success to the two great cows which constituted a part of their foundation herd, Burton Highlawn 2d and Palestine Girl.

In this article we shall endeavor to narrate the wonderful achievements of Burton Highlawn 2d. In a previous article we have shown the remarkable producing and transmitting ability of her stable mate, Palestine Girl.

Burton Highlawn 2d 63235 was bred by the estate of Luther Russell, in Ohio. She was born on April 11, 1899, and was sired by Apple Pie, a noted foundation sire, whose daughters for the most part were chiefly prominent during the earlier history of the breed in this country and consequently only seven of them were ever placed under official test, all at advanced ages. One made over 25 pounds of butter; another, the subject of this article, made 20.58 pounds at 12 years of age, while Palestine Girl made over 19 pounds as an 11-year-old cow. The dam of Burton Highlawn 2d was never tested, but her sister produced the noted 13-year-old cow, Lady of Burton De Kol that made over 31 pounds of butter at 13 years of age and also produced a 31-pound daughter.

Burton Highlawn 2d made, at 12 years of age, 20.58 pounds of butter from 446.10 pounds of milk. She has three A. R. O. daughters with records as follows:

Maplecrest Pontiac Highlawn...4 yr.	Butter	7 days	30.72 pounds
	Milk	7 days	434.00 pounds
	% Fat		5.66 pounds
	Butter	30 days	120.66 pounds
	Milk	30 days	2,142.10 pounds
Maplecrest Pontiac Highlawn.28 mo.	Butter	7 days	17.24 pounds
	Milk	7 days	385.30 pounds
Maplecrest Pontiac Highlawn..28 mo.	Butter	30 days	69.71 pounds
	Milk	30 days	1,688.10 pounds
	Butter		14.23 pounds
	(8 mo. after calving)		
	Milk		305.80 pounds
	Butter	1 yr.	758.32 pounds
	Milk	1 yr.	16,866.80 pounds
Burton Highlawn 2d's Hartog	Butter	7 days	30.14 pounds
	Milk	7 days	574.50 pounds
	Butter	30 days	123.60 pounds
	Milk	30 days	2,474.00 pounds
Maplecrest Pontiac Jennie....4½ yr.	Butter	7 days	20.35 pounds
	Milk	7 days	465.50 pounds

The oldest animal that Burton Highlawn 2d has produced was born on April 1, 1901. This cow, Burton Highlawn Pauline Paul, as we understand it, was injured while young in such a manner that she could never be tested. Nevertheless, we can judge her remarkable inherited transmitting ability through her progeny. She has three A. R. O. daughters with records as follows:

Maplecrest Pontiac Bobby.....4 yr.	Butter	7 days	23.52 pounds
	Milk	7 days	472.40 pounds
	Butter	30 days	91.43 pounds
	Milk	30 days	2,109.80 pounds
Maplecrest Pontiac Bobby.....28 mo.	Butter	1 yr.	771.31 pounds
	Milk	1 yr.	16,182.10 pounds
Maplecrest Pontiac Bobby De Kol ..	Butter	7 days	23.48 pounds
	Milk	7 days	457.40 pounds
Bobby Highlawn De Kol .....4 yr.	Butter	7 days	20.14 pounds
	Milk	7 days	501.40 pounds

Her only son, Highlawn De Kol Butter Boy, is the sire of Lady Jane Nudine 2d, whose record at four and one-half years is as follows:

	Butter	7 days	28.20 pounds
	Milk	7 days	568.10 pounds
	Butter	30 days	112.11 pounds
	Milk	30 days	2,251.40 pounds

On April 2, 1902, Burton Highlawn 2d gave birth to what has later proved to be her greatest producing and transmitting daughter, Burton Highlawn 2d's Hartog, who made over 30 pounds of butter in seven days and over 123 pounds of butter in 30 days. She has four A. R. O. daughters with records as follows:

Maplecrest Pontiac Aaggie Hartog ..	Butter	7 days	31.61 pounds
	Milk	7 days	535.10 pounds
27 mo.	Butter	7 days	17.34 pounds
	Butter	1 yr.	776.34 pounds
	Milk	1 yr.	15,753.40 pounds
Highlawn Hartog De Kol	Butter	7 days	30.91 pounds
	Milk	7 days	603.80 pounds
	Butter	30 days	126.43 pounds
	Milk	30 days	2,557.10 pounds
	Butter		24.28 pounds
	(8 mo. after calving)		
	Milk		468.00 pounds
	Butter	1 yr.	1,247.92 pounds
	Milk	1 yr.	25,592.50 pounds
Maplecrest De Kol Highlawn Hartog	Butter	7 days	26.04 pounds
	Milk	7 days	527.50 pounds
Maplecrest Burton Hartog D K..3 yr.	Butter	7 days	18.46 pounds
	Milk	7 days	334.60 pounds

Burton Highlawn 2d's Hartog has also two A. R. O. sons; one of them, Maplecrest Pontiac Hartog, is the present senior herd sire in the herd of Peter Small and has several good record daughters, 20 of them with A. R. O. records, including the following:

Majella Maid Black Lassie .....3 yr.	Butter	7 days	27.50 pounds
	Milk	7 days	587.50 pounds
	Butter	1 yr.	913.77 pounds
	Milk	1 yr.	20,439.80 pounds
Meadow Holm Kate .....4½ yr.	Butter	7 days	25.79 pounds
	Milk	7 days	527.80 pounds
Meadow Holm Dupli Kate .....4 yr.	Butter	7 days	25.61 pounds
2½ yr.	Butter	1 yr.	742.20 pounds
	Milk	1 yr.	15,742.00 pounds
Meadow Holm Ona Wayne....29 mo.	Milk		24,883.00 pounds

Before proceeding farther, let us continue with the progeny of Burton Highlawn 2d's Hartog. We have already found this wonderful cow has two 30-pound daughters, one of which made over 1,200 pounds of butter in one year from over 25,000 pounds of milk. This daughter, Highlawn Hartog De Kol, has three A. R. O. daughters with records as follows:

Maplecrest Pontiac Flora Hartog....	Butter	7 days	30.33 pounds
	Milk	7 days	573.20 pounds
	Butter	30 days	122.38 pounds
	Milk	30 days	2,551.00 pounds
	Butter	1 yr.	1,232.63 pounds
	Milk	1 yr.	25,106.30 pounds
Maplecrest Pontiac Hartog.....	Butter	7 days	24.38 pounds
	Milk	7 days	492.00 pounds
Maplecrest Pon. Highlawn Girl, 29 mo.	Butter	7 days	18.72 pounds
	Milk	7 days	409.70 pounds

Thus it will be noted that through the subject of this article has been descended a three-generation family of 30-pound cows—in fact, one of the greatest generation families in the world. This is the only family in which two of the three 30-pound dams have made over 1,200 pounds of butter in one year or over 25,000 pounds of milk.

Going back to the progeny of Burton Highlawn 2d, we find that on March 19, 1905, she gave birth to a bull later named De Kol Highlawn, who had only a limited opportunity, but sired one daughter with the following records:

Gilt Edge Highlawn Beauty D K 4 yr.	Butter	7 days	26.19 pounds
	Milk	7 days	545.40 pounds
5 yr.	Butter	7 days	21.10 pounds
	Milk	7 days	518.10 pounds
37 mo.	Butter	1 yr.	660.18 pounds
	Milk	1 yr.	15,639.30 pounds

In 1907, the cow, Maplecrest Pontiac Jennie, was born, that as a four-year-old made over 20 pounds of butter from 465.50 pounds of milk.

The following year, in November 1908, Burton Highlawn 2d had a son that has sired two 21-pound four-year-old daughters. During the next year was born the last calf Burton Highlawn 2d ever had, named Maplecrest Pontiac Highlawn, who made, as a four-year-old, over 30 pounds of butter in seven days and over 120 pounds of butter in 30 days. As a two-year-old she made, under semi-official test, 758 pounds of butter from 16,866.8 pounds of milk.

Summing up the achievements of Burton Highlawn 2d we have found that she is in several respects the greatest transmitting cow in the world.

First, she has two 30-pound daughters—also a 30-pound daughter with two 30-pound daughters, one of which has also produced a 30-pound daughter, making her a total of five 30-pound direct descendants, a statement that can be made of no other cow, her nearest competitor being Daisy Pietertje Hartog, who has four 30-pound descendants in the first three generations.

Second, she is the only cow having two 30-pound daughters, one of which has in turn produced a 30-pound daughter.

Third, she is the only cow having a 30-pound daughter that has produced two 30-pound daughters, one of them making over 1,200 pounds of butter in one year and giving over 25,000 pounds of milk.

Fourth, she is the only cow having a 30-pound daughter with two 30-pound daughters, one of which made over 1,200 pounds of butter in one year and has produced a

(Continued on page 68.)

"The successful man takes plenty of time for thought. He carefully looks the ground over, searches for weak and strong points, then adjusts himself to the needed conditions."

—Dresser

Do that with DIONAGEN

If you take time for intensive thought, you will think of
DIONAGEN—the World's greatest Bull

If you carefully look the ground over, you will find
DIONAGEN—the World's greatest Bull

If you search for weak points, you will not find them in
DIONAGEN—the World's greatest Bull

If you search for strong points, you will find any number in
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A son of a World's Champion dam—that's DIONAGEN

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W. H. MACE CORTLAND, N. Y.

WORTHY OF THE BREED

Published weekly and entered at the Waterloo, Iowa, Postoffice as second class matter.

HOLSTEIN-FRIESIAN WORLD, Inc., Publishers

Editor: F. T. PRICE
Associate Editors: L. W. MILLER, P. B. MISNER

Subscription price for the United States and Mexico, $1.00 per year in advance. All other foreign subscriptions (including Canada), $1.50.
Advertising rates on application.
The date following the address on the wrapper of each paper indicates the time to which the subscription is paid and is to answer the purpose of a receipt.
Approved cuts of meritorious Holstein-Friesian animals, when furnished, will be published free of charge.
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All matter for publication in any edition must be received at nearest office of publication 10 days preceding date of issue.
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WATERLOO, IOWA, MARCH 16, 1918

Stimulating Dairy Production

A BULLETIN issued by the Department of Agriculture on Agricultural Production for 1918 contains some specific recommendations relative to dairy products that are of interest to Holstein men. The report of the department is prefaced with the following statement:

"The supply of dairy products should be maintained to meet the needs of this country and to help supply the increasing demands of the allies."

The World has always maintained that each Holstein breeder should take a very great interest in the various dairy markets. If he is in a cheese and butter district the breeder ought to keep in close touch with these markets. If he lives in a district that supplies fluid milk he ought to keep up with the tendencies of this market.

In many cases the Holstein breeder does this, as we have tangible evidence of his interest and activity through the fact that his work in many communities has brought down upon him the attention of the district attorney. District attorneys are usually more or less strongly inclined to play politics and, therefore, see more votes in a policy of playing up to the consumer and getting after the friends of the producer. However, there are still many localities in which the Holstein breeder does not identify himself strongly enough with the marks which create the demand for his stock.

Here is what the government says regarding dairy production in 1918:

Dairy products are essential to the well-being of the nation, and the dairy cow produces more food with less feed than any other of our domestic animals. Before the war the United States received dairy products from about 20 foreign countries, now these supplies have been largely stopped and it has become necessary not only to replace them at home, but also to export large quantities. In 1914, for instance, we imported approximately 64,000,000 pounds more of dairy products than we exported, not including fresh milk and cream. In 1917 we exported 320,000,000 pounds more than we imported.

The total amount of milk produced in this country in 1917 is estimated to be 84,611,350,000 pounds. Large losses occur, and the greatest is through the failure fully to utilize skim-milk and buttermilk for human food. These products have all of the food value of the whole-milk except the fat. A given quantity of them would produce seven times as much food value in the form of cottage cheese as they would produce in the form of meat if fed to livestock. The possibilities of increasing the supply of food by the fuller utilization of these by-products are enormous. In brief, there should be a better utilization of skim-milk and buttermilk, both as food on the farm and thru the market.

Better results in dairying may be secured by proper sanitation and care in producing and handling milk; by better care and utilization of pastures; by raising on the farm adequate supplies of roughage, particularly legumes and silage, to take the place of grains so far as is practicable; by preserving for dairy purposes all the high producing animals and eliminating those that are inefficient; by feeding according to production so as to secure the greatest yield of milk with the least quantity of feed, which necessitates a record of production of individual cows; by the full utilization in the community of good bulls throughout the entire period of their usefulness and to their full capacity; and by the prompt control of disease.

The government stands ready to advise greater production of milk and dairy products. It has at last found solid ground on the other side of the proposition by recommending greater consumption of these products. When it brings itself to the point of telling what it knows regarding the prices the producers should have for milk and dairy products, it will have gone still farther toward advancing the interests of greater food production.

And it will then be doing the consumer a favor, too, for he can live more cheaply on dairy products at living prices to the producer than by any plan the government, Food Administration or any other patriotic or philanthropic body has yet offered the consuming public.

How About a New Score Card?

A RECENT editorial in the Holstein-Friesian Register dealing with the Scale of Points and True Dairy Type takes the World to task pretty severely for mildly suggesting a change in the present form of our score card. Secretary Houghton, who is also editor of the Register, is presumably responsible for these remarks. A conversation with him at Brattleboro some time back leads us to believe that this is so and that the editorial refers to a brief article by Prof. J. R. Dice of Morrisville, N. Y., appearing in the World of January 26th.

Secretary Houghton's characterization of such boldness on the part of Professor Dice and the World is strong, to say the least. It is couched in language that condemns not only the project which is under discussion, but the state of mind and mental attainments of those who have had the temerity to propose such a thing. Professor Dice and the World—for we are in practical agreement with him regarding the readiness of the association for a change in the score card—stand accused of being mentally incapable of dealing intelligently with such subjects.

Perhaps Secretary Houghton is right, but the fact that he occupies a high official position in the association makes it very hard for us to bear the verbal chastisement which he has meted out. His lifelong experience in the high office he holds surely qualifies him to speak on the subject, even though it does not give him carte-blanche as judge of the qualifications of others to discuss these same topics. And while we grant his ability we cannot help but wish he had given us the benefit of his judgment as to our qualifications in private rather than to make such a wholesale and public condemnation.

It is, and always has been, the policy of the World to bring up for discussion just such matters as these in the hope that such discussion will result in beneficial action. The article by Professor Dice was printed because of this policy. It is well within the province of a breed paper to bring forth such subjects for discussion and we will not be deterred from this policy simply because one man, even though he be the secretary of the association, considers us incapable of handling these matters.

Our chief interests, therefore, in this discussion will be a consideration of the merits of Professor Dice's suggestion which first appeared in the World of January 26th and which is amplified by his reply to Secretary Houghton's editorial, printed elsewhere in this issue of the World. We are asking for a free and open discussion of the matter. Do we need a shorter and more up-to-date score card? Is the present score of points or score card in general use today among Holstein breeders? Has it preferment in the agricultural schools and colleges? Would not its authors favor a revision, especially in view of the advancement that the breed has made?

We are not particularly interested in opinions regarding Secretary Houghton's outburst of picturesque language, as we doubt if that is pertinent to a discussion that will be of most value to breeders in general. We should be lacking in courtesy, however, if we did not admit that such an editorial in Secretary Houghton's publication, deplorable in tone though it be, cannot assist materially in bringing out the points for and against Professor Dice's suggestion. We are glad to share with our esteemed contemporary credit for bringing the matter before the Holstein public.

Professor Dice Comes Back

Editor's Note: For proper understanding of this article by Prof. Dice readers are asked to read the World of January 26th, page 210, and the Holstein-Friesian Register of February 15th, page 302. These articles with this and our own version of this subject, which appears on the editorial page of this issue, constitute the opening chapters of this very interesting serial story.

I notice in the February 15th issue of the Register that the editor objects very strenuously to our suggestion that the Holstein-Friesian score card should be revised. We knew that there would be a difference of opinion on this subject, but we hardly expected that the objections would be those which were advanced.

As we understand it, there were three main objections. One, that we should not wish to change the "true, original type," another that the ability and experience of the committee that formulated the present card was much superior to anything that is now available, and finally that the present card should be dedicated to the memory of Solomon Hoxie, to whom the breed owes so much.

On the first point, there should be no difference of opinion. No one should wish for a better ideal for the breed than the old-fashioned type of Holstein cow. It is the score card, not the cow, that we would suggest changing.

When we question as to who would be qualified to revise our card today, we have but to look to E. A. Powell, W. J. Gillett, and several other breeders and even a few college professors who have had a lifetime of experience with the breed, and have studied it both at home and in Holland. Surely there are those who are now available who could be trusted with this important duty.

To let our present score card go unchanged in honor of its present author does not seem to be a fitting tribute to Mr. Hoxie. Solomon Hoxie was perhaps the most progressive Holstein breeder of his day as he, more than any other man, was ever planning for the future welfare of the breed.

> "A drop of ink makes thousands think." Send your news to the Holstein-Friesian World

To quote Mr. Hoxie, "With Mr. Burchard I drew up the original scale of points of the Holstein-Friesian Association; and with Mr. Burchard and W. J. Gillett revised it as it now stands." This in itself shows that Mr. Hoxie believed in revision when experience seemed to indicate that it was necessary.

Mr. Hoxie was not only progressive himself, but he was evidently willing to accept the best that others could offer as the present Holstein card follows very closely the dairy cattle card that was used by the dairy instructors of his day. That is even one of the faults of the card—it does not depart far enough from the old dairy cow card to give the color and size requirements for a Holstein. It is reasonable to believe that if he were to help make a card today, he would be inclined to use as a guide the form of card that is being used by our best dairy instructors and, by so doing, there would not necessarily be any call for an attempt to change the true, original type of the breed. We should have a card which would set forth that type more clearly.

May we remark: Probably few breeders are very much interested in the score card for they know what kind of cow they like, so that the card does not, to any great extent, influence them. The next generation of breeders are now in school and from the grade school up to the college they are studying breeds more than any generation that has gone before. It should be the duty of the men back of every breed of farm animals to give these students and their often unqualified instructors just as much assistance as possible. A Holstein card in this twentieth century that, for instance, emphasizes an escutcheon and ignores entirely size, vigor and color is not a true guide and does not do justice to our breed of cattle. Escutcheons are a specialty of another breed.

The battle of the breeds in Amer-

(Continued on page 64.)

The Proof of the Pudding is in the Eating

THE first daughter of Dutchland Sir Pietertje Ladoga has just made over 31 lbs. as a two-year-old and is completing a very large thirty-day record.

The dam of this bull is Dutchland Colantha Ladoga, a 24-lb. Colantha daughter from Ladoga De Kol Pauline who has 30.79 lbs. and six daughters above 22 lbs., one above 30. Dutchland Sir Pietertje Ladoga is another striking example of the influence of **producing dams.**

We are now offering another son of Dutchland Colantha Ladoga—by Dutchland Creamelle Korndyke Lad. This bull is ready for use, about evenly marked, and a splendid individual in every way. The price is $600.

Where could you find a safer investment than a son of Dutchland Creamelle Korndyke Lad (the greatest three-generation bull in the world) from a Colantha daughter whose older son has already demonstrated his transmitting ability? He'll go quickly at the price quoted. Better not wait too long.

FRED F. FIELD HOLSTEIN CO.
DUTCHLAND FARMS
"THE HOME OF PRODUCING DAMS."
MONTELLO STATION BROCKTON MASS.

The Largest Milk Producing Herd in the World

World's Greatest Family in Long-time Test

We read of 30-pound cows, of 30-pound daughters of 30-pound cows, and of cows with two 30-pound daughters, with possibly the chief center of interest being in the art of developing three direct generations of 30-pound cows, until they are fixed

Peter Small, proprietor of Meadowholm Farm of Ohio. He is the man who developed the world's greatest family of long distance cows.

quantities in our mind. This continually growing and ever-changing field has now reached such proportions that we are likely to disregard those who have labored unceasingly along other lines in the development of great yearly producers. Generation after generation we are likely to let pass unnoticed, unrewarded and in many instances the subject of unjust and jealous criticism because of their successful endeavors in this one line.

AND THE MAN WHO MADE IT

In this particular instance we refer to Peter Small of Ohio, the only man in the world to have developed three direct generations of 1,000-pound cows, and to his wonderful cow, Ona Clothilde De Kol, the foundation animal of this world's greatest family. Ona Clothilde De Kol is the only 1,100-pound cow in the world with two 1,000-pound daughters; she is likewise the only 25,000-pound cow in the world with two 25,000-pound daughters, and is the only 1,000-pound cow with a 1,000-pound daughter, a 1,000-pound granddaughter and a 900-pound great granddaughter, all through the female line. Ona Clothilde De Kol freshened at 11 years 10 months of age and made 26.45 pounds of butter in seven days, not a sensational record, although very creditable. However, going for the year, she made 1,100.6 pounds of butter from 25,019.3 pounds of milk. She is the oldest cow in the world to make 1,000 pounds of butter and carry a calf seven months of the time.

Ona Clothilde De Kol is the dam of Ona Button De Kol, who made 30.29 pounds of butter in seven days and then continued to make 1,345.55 pounds of butter from 26,671.2 pounds of milk for the year, thereby becoming the highest record cow in the state of Ohio for butter production. Ona Clothilde De Kol is also the dam of Ona Clothilde De Kol 2d, that made 29.54 pounds butter in seven days and completed the year with 1,044.45 pounds of butter from 25,449.6 pounds of milk. This great cow is the dam of Ona Clothilde Wayne with 32.60 pounds of butter for the week and 1,266.65 pounds of butter from 27,091.5 pounds of milk for the year, and it must not be overlooked that she dropped twin bull calves just seven weeks after completing this performance.

Ona Clothilde Wayne is the dam of Meadowholm Ona Wayne, that made 24.96 pounds as a junior two-year-old, becoming the highest record heifer in her state, and who has now finished her year with 940.10 pounds of butter from 17,510.1 pounds of milk. She is the fourth generation in the direct female line and is the sixth highest reported heifer of her age in the world. In addition to having produced a 1,000-pound daughter and a

Ona Button De Kol, the daughter of Ona Clothilde De Kol that made 1,345.55 pounds of butter in a year.

900-pound two-year-old granddaughter, Ona Clothilde De Kol 2d has a son, Ona Pontiac De Kol (by Pontiac Aaggie Korndyke), that is the sire of Lucille Jolie Pontiac with 33.29 pounds of butter in seven days as a seven-year-old, and 1,173.15 pounds of butter from 23,830.2 pounds of milk in a year as a four-year-old, and she the fourth generation removed from the fountain head.

We find the records of Ona Clothilde De Kol and her two daughters averaging 25,743 pounds of milk and 1,163 pounds of butter, which is un-

5 BEAUTIFUL HEIFERS FOR $1000 5

I can sell five granddaughters of the great Korndyke Abbekerk sired by a son of Milanhurst America De Kol with 34.08 lbs. butter and 1,231 lbs. in a year (strictly official) for $1000. Their dams are granddaughters of King of the Pontiacs, Pietertje Hengerveld Segis, etc.

A fine bunch, 7 months old. Tuberculin tested.

J. G. KERRICK TOWANDA, PA.

Herdsman Wanted

For herd of 150 registered Holsteins. Must be willing worker, practical, experienced, reliable, sober and expert in making A. R. O. and Semi-official Records. References required for last two years of employment. Give full information in your first letter. State salary expected.

GEO. A. SMITH & SON Corcoran, Cal.

$100 For a 25-lb. grandson of Rag Apple Korndyke $100

The youngster is evenly marked; a good, large, heavy-boned calf. Sire: a 24-lb. son of Rag Apple Korndyke. Dam: a 25-lb. cow.

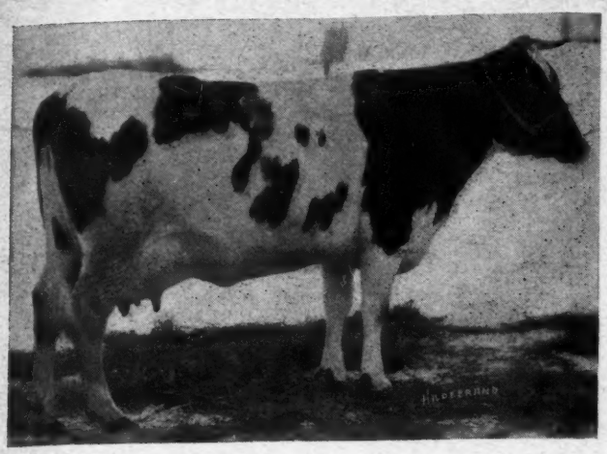
E. L. HOLLINGSWORTH
WEST BRANCH, IOWA

A Healthy Herd

A herd free from tuberculosis means a great deal to the purchaser. We have such a herd. You don't have to take our word for it, because all the animals we have sold have lived up to our guarantee. The "TIETJE FAMILY" is as healthy as ever this fall. The youngsters of the family can hardly wait for a chance in A. R. O. work.

A. C. Howe, Owner **GLEN ALEX FARM** New Hartford, N. Y.

"The Home of Healthy Holsteins"



Ona Clothilde Wayne, 1,266.65 pounds of butter from 27.091.5 pounds of milk in a year. Her dam is Ona Clothilde De Kol 2d, another 1,000-lb. daughter of Ona Clothilde De Kol.

equaled for a mother and two daughters. The three direct generations average 1,137.2 pounds of butter from 26,438.1 pounds of milk, which, of course, is in a class by itself, as is also the fourth generation averaging 1,087.95 pounds of butter from 23,767.6 pounds of milk.

Ona Clothilde De Kol stands undeniably as the greatest foundation cow of yearly producers in the world and the accomplishments of this family are likely to stand unapproached for years to come. With all their glory in semi-official work they are individuals to which we would all point with pride and honor them in their splendid achievements.

Expect Calves?

Insure their lives with **Cura-Bos Scour Remedy.** Positively cures and prevents dreaded White Scours or Cholera. $1.00 Bottle. Guaranteed. **Troy Chemical Co.,** 78 Commercial Ave., **Binghamton, N. Y.**

Over 21 years manufacturers of **Save-the-horse** and other famous remedies. Ask for free 96 page **book** when ordering or with **FREE expert Vet. advice.**

FOR SALE

10 head of Registered Holstein Females consisting of fresh cows, springers and heifer calves. Write for list and prices.

R. T. STEVENS, R-5, Shelby, O.

Two Heifer Calves

8 months old, sired by 31.87-lb. grandson of King Segis and Colantha Johanna Lad. Priced to sell.

For further information address:

D.W. Morris & Sons West Winfield, N. Y.

COLLEGE KING SEGIS ALCARTRA 206680

Herd Sire of U. College Holstein Farm

As an individual he has no superior. As to breeding and pedigree but few equals. His sire the great $50,000 bull. His dam a 35.61-lb. former world's record four-year-old. Five of his nearest sires are the greatest bulls of the breed—King Segis Pontiac Alcartra, King Segis Pontiac, King Segis, King of the Pontiacs and Pontiac Korndyke. Service fee for approved cows, $200. Bulls from A. R. O. dams for sale.

Harvey A. Morrison President — **UNION COLLEGE** College View, Neb. — **Chas. Williams** Herd Supt.

PERSISTENT PRODUCTION

IS BEHIND MY HERD SIRE

SIR PONTIAC WALDORF PIETJE

He is out of the greatest and most perfect cow that I ever laid my eyes on—that's why I bought him. His dam is Lady Waldorf Pietje. Look over her persistent production.

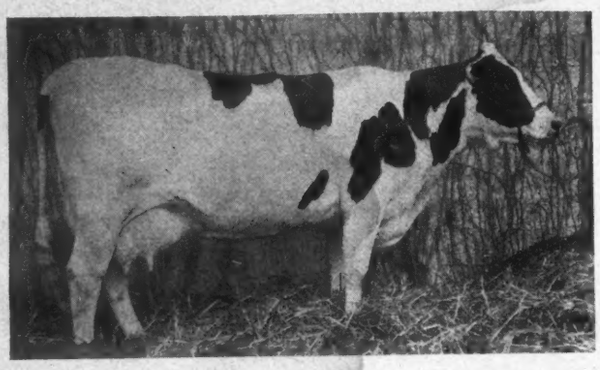
At 4 yrs. 1 mo. 29 ds.: Butter 36.31, milk 736.7 for 7 days
At 4 yrs. 1 mo. 29 ds.: Butter 150.86, milk 3,034.3 for 30 days
At 5 yrs. 4 mo. 18 ds.: Butter 35.39, milk 772.0 for 7 days
At 5 yrs. 4 mo. 18 ds.: Butter 146.86, milk 3,265.6 for 30 days
At 3 yrs. 2 mo. 8 ds.: Butter 32.12, milk 600.2 for 7 days
At 3 yrs. 2 mo. 8 ds.: Butter 127.16, milk 2,461.4 for 30 days
At 2 yrs. 1 mo. 14 ds.: Butter 25.36, milk 520.3 for 7 days
At 2 yrs. 1 mo. 14 ds.: Butter 104.95, milk 1,950.9 for 30 days

The sire of this bull is a son of King of the Pontiacs out of a 31-lb. daughter of Hengerveld De Kol. A full sister to this bull made 28.49 lbs. at 2 years 2 days

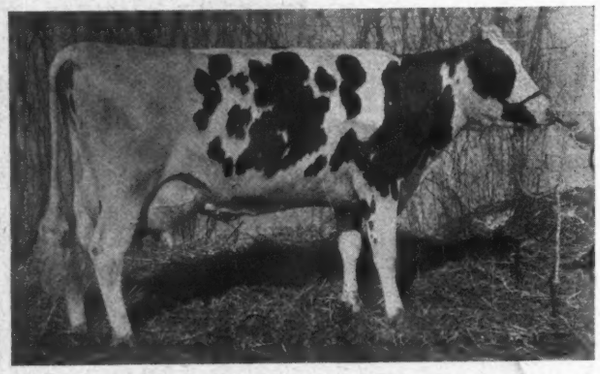
R. J. STEVENS, Liverpool, N. Y.

Formerly of Stevens Bros. Co.

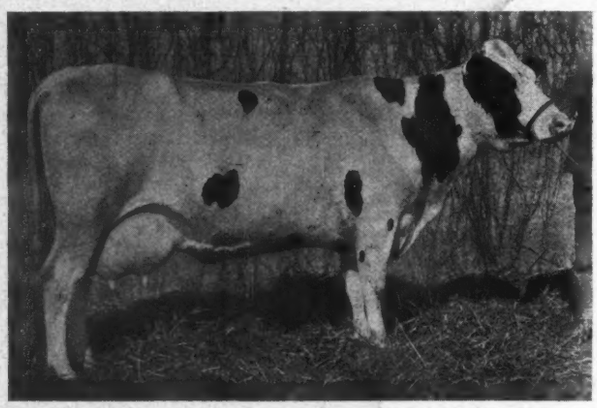
SPECIAL—I have some fine heifers to offer in calf to this bull at mighty reasonable prices. Write me about them.



PABST CARNATION
Butter, 4 yrs. 10 mo. 20 days .. 31.61 Milk 563.50



PABST CORNFLOWER
Butter, 4 yrs. 2 mo. 20 days .. 32.03 Milk 615.70



PABST CYNTHIA
Butter, 4 yrs. 7 mo..... 31.21 Milk.....503.10

A Cow and a Half a Week

Six 30-pound cows in a month—what would you think of that?

And all daughters of one sire—what would you think of that?

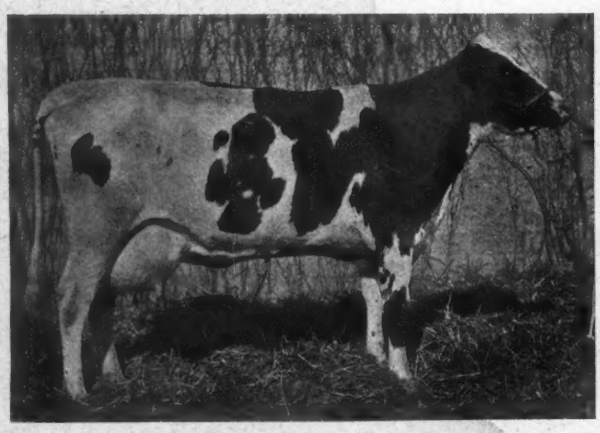
And then to own the sire and have him in service in your herd—what would you think of that?

All these things happened at Pabst Stock Farm during the month of January 1918.

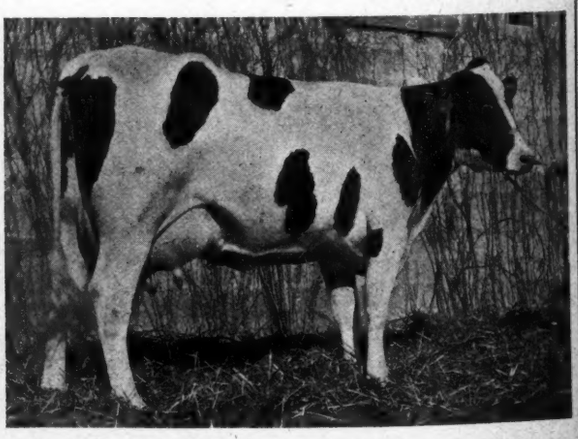
These great animals are all daughters of King Pontiac Champion, a son of King of the Pontiacs and Maid Mutual De Kol, a 31-pound daughter of De Kol 2d's Mutual Paul and individually one of he finest cows of the breed.

It is a most unusual thing for a sire to have six high record daughters developed with the period of a year, much less a month and we are glad to present a likeness of each of these animals, excepting that of Pabst Champion Aaggie Colanthus. But one of the entire lot was of mature age, this one being Pabst Champion Aaggie Colanthus that made 31.04 pounds of butter from 450 pounds of milk. Next in age comes Pabst Carnation at 4 years 10 months with 31.61 pounds of butter from 563.5 pounds of milk. Pabst Cynthia comes next in line at 4 years 7 months with 31.21 pounds of butter from 503.1 pounds of milk. Pabst Cornflower at 4 years 2 months made 32.03 pounds butter from 615.7 pounds of milk and is one of the two to make over 600 pounds of milk. The two senior three-year-olds are Pabst Virginia Rose at 3 years 7 months with 32.15 pounds of butter from 643.9 pounds of milk, which is the state record, and Pabst Wild Balsam at 3 years 7 months with 30.08 pounds of butter from 502.3 pounds of milk.

Here we have six great daughters of one sire. Look at the size, the type, the conformation and evident ability to do things. They are not only a credit to their sire, to the man that bred them, but to the breed as well.



PABST VIRGINIA ROSE
Butter, 3 yrs. 7 mo. 22 days .. 32.15 Milk (state record) .643.90



PABST WILD BALSAM
Butter, 3 yrs. 7 mo. ..... 30.08 Milk 502.30

OUR COVER SUBJECT.

This week our cover is graced with the likeness of one of the breed's best. It is Tidy Abbekerk Princess Gisella, that has made a most remarkable showing in the Arden Farms herd. At two years of age she made slightly better than 12 pounds of butter—as a three-year-old she made 21.67 pounds and as a four-year-old made 27.91 pounds in seven days and 102.06 pounds in 30 days. She finished a yearly record of 852.95 pounds of butter from 18,881.3 pounds of milk as a five-year-old on three milkings a day, and came back as a seven-year-old and made 34.94 pounds of butter from 790 pounds of milk in seven days, giving 114 pounds in one day. For 30 days she averaged better than 100 pounds per day, producing 3,038.2 pounds of milk and 140.44 pounds of butter. She is being continued on yearly test and with 60 days yet to go will have over 1,200 pounds of butter and 27,000 pounds of milk. In her first 304 days she has made 1,050 pounds of butter from 23,533 pounds of milk.

She is not only the highest record daughter of her sire, Tidy Abbekerk Prince, but she is also a full sister to Tidy Abbekerk Princess Lois, with 30.54 pounds butter and is the dam of Princess Gisella Walker, with a recently completed record of 31.07 pounds of butter from 610 pounds of milk. Her picture appeared in the March 9th issue of the World.

This noted cow was bred by and born the property of W. M. Hallock of New York but received her development in the hands of one of the large establishments of the west—that owned by Senator J. M. Hackney of Minnesota. In addition to her 31-pound daughter, Senator Hackney owns a very beautiful son of this cow sired by King Segis Pontiac Count, that he is using as a junior sire.

Tiddy Abbekerk Princess Gisella is a real Holstein cow. She has size, conformation and constitutional capacity with the ability to produce year after year in a most sensational manner. Study her picture.

BINGHAMTON (N. Y.) SALE POSTPONED.

The consignment sale of the Liverpool Sale and Pedigree Company, which takes place at Binghamton, N. Y., has been postponed from the middle of April until May 16th and 17th. This sale will include around 180 head and will be a high class sale in every respect as will the Eastern Breeders' Second Sale, which takes place the two days preceding the one at Binghamton. The first Eastern Breeders' Sale, held nearly a year ago, was one which will long be remembered and the coming one should in every way parallel the one of last year.

MORE GOOD ONES FOR NEBRASKA SALE.

In addition to the list of consignors to the Nebraska Holstein Dairymen's sale, which has been mentioned at another place in this issue, the Woods Brothers of Lincoln are entering a limited number of good ones. The auctioneer for the sale will be Z. S. Branson, with A. W. Thompson of Nebraska and Bob Adkins of Iowa as assistants. John G. Voss has been secured to read the pedigrees.

WINTER ON THE COLONIAL FARMS

The Colonial Farms—Located in the celebrated French Creek valley of northwestern Pennsylvania

In Service

Brothertown Pontiac Korndyke

SIRE—Dean Pontiac Korndyke, a son of Pontiac Korndyke and Elzevere Barnum De Kol, 29.09 lbs. 6 A. R. O. daughters.

DAM—King Segis De Kol Korndyke Topsy 33.10
Dam of K K S V Topsy (dam of the $40,000 twins) ..40.38
Sister to Mabel Segis Korndyke 40.32

This is a combination hard to beat. Nothing to sell but a few bulls that show a little more class than any we have seen. If interested, write to us.

J. B. McDannell (Owner)
916 Delaware Avenue
BUFFALO, N. Y.

Grover J. Prouse (Supt.)
Wattsburg, Pennsylvania
(Farm Address)

SONS OF YEARLY RECORD COWS

We have them from yearlings down to a few days old. All sired by the highly bred young sire, KING PONTIAC BARNUM DE KOL, son of SPRING FARM PONTIAC CORNUCOPIA, the first bull to sell for $15,000 at public auction, and his dam, K. P. PONTIAC LASS, was the first cow to make 44 lbs. butter in 7 days.
If you are looking for some good long distance stuff, write us. We can supply your needs.

IRVING N. ROE BRANCHVILLE, N. J.

BULL CALVES FOR SALE
WITH YEARLY RECORD BACKING

Sired by our senior herd sire whose dam, ROYALTON DE KOL VIOLET, holds four world's records and was a leader in three different classes 1916-17. The first two daughters to finish yearly records average 17,000 pounds milk and 750 pounds butter at two years.
These calves are priced to sell. Write us your wants.

H. A. McQUILLIN Delta, Ohio

For Sale

A son of Royal Konigen, the $4,100 bull whose five nearest dams average 37.63 lbs. butter in 7 days, none less than 35.94 lbs. The sire of Royal Konigen being King Segis Pontiac Konigen, Mr. Field's $35,000 bull, with a 40-lb. dam.

This calf was born December 20, 1917, and is nearly white, has a straight top line and is hard to fault. His fourteen nearest dams average 25.42 lbs. butter in 7 days and his 14 nearest sires average 55 A. R. O. daughters each. Buy this bull and you will be proud to show him to your neighbors.

Price, $150 Crated Free

BUTTERFIELD STOCK FARMS

L. W. Butterfield

R. D. 4 Binghamton, N. Y.

SEVEN HEAD FOR SEVEN HUNDRED

Three two-year-old registered cows (tuberculin tested).

Three yearling heifers, registered.

One purebred bull calf. Dam, a granddaughter of De Kol Butter Boy Prince, now giving 60 lbs. milk daily. Sire, a 30-lb. son of King Korndyke Hengerveld Ormsby.

Address

H. H. Goslee & Son

85 West Avenue Oneida, N. Y.

Changes of Importance in Nebraska

Nebraska has at last arrived in Holsteindom. She proudly points to Niva Kalmuck, who recently completed a record of 36.141 pounds of fat or 45.176 pounds of butter and 644.9 pounds of milk in seven days. Niva Kalmuck is purely a Nebraska product and this remarkable record places her seventh from the top in production. She was born and developed at Friesland Farm, which is owned by Dr. B. B. Davis of Omaha. Her sire, Kalmuck Skylark Johanna, son of that famous old Nebraska cow, Katy Gerben, now has five daughters above 30 pounds. Niva Kalmuck is one of the many splendid animals which compose this herd, which is perhaps the best established herd in the state.

There are, however, more herds in the state which are rapidly coming to the fore, which is not surprising when it is known that there are at least 20 30-pound sires in the state with others nearly as good. Several proven sires have also been brought into the state recently and will soon be heard from. Yankee De Kol De Young Colantha, owned by Nelson Brothers of Stormsburg, who now has a 30-pound record for seven days is almost certain to complete the year with 1,000 pounds of butter to her credit. She is a daughter of Dutchland Colantha Sir Inka.

The Holstein breeders are now organized and are keenly alive to the necessity and value of the official test, which is doing so much to popularize the breed. In 1917, testing was done in 34 herds compared to 12 in 1915, and with five new herds having been added so far in 1918. This requires as high as 11 men to take care of the work. At present there are five full-time men with several students assisting, caring for the work. Much of the credit for the awakening of interest in this work is due to the dairy department of the university which has been composed of a remarkable corps of men. Prof. J. H. Frandsen, M. S. A., is head of the department. About three years ago the supervision of the official testing was placed in the hands of H. N. Colman Jr. (A. B., B. Sc., University of Nebraska), who has standardized the work until it is nearly letter perfect besides originating a course in which testers may become instructed in their work.

In August, Prof. E. G. Woodward became head of the dairy department of the University of Nevada but was called to the head of the same department in the Washington State College January 1, 1918. He saw the necessity in Washington of a division of the dairy department to take charge of the large amount of official testing done in that state and had the same formed. Mr. Colman has been offered and has accepted charge of the same with its larger field of advancement and will begin his duties there March 1st.

Frank M. Colcord (B. Sc., University of Illinois), who will receive his master's degree from Nebraska in June has also gone to Pullman, Wash., through the influence of Professor Woodward, to take up the work in the dairy extension division. Previous to this he taught agriculture in the schools of Oklahoma and Nebraska, was graduate assistant in the dairy department of the University of Nebraska during 1916-17, and in the fall of 1917 became extension assistant in the North Platte valley.

These are not all the changes in the university dairy department. Theo. Thorsen (B. Sc. Ames), the efficient instructor in dairy manufactures at Nebraka for the past three years has severed his connections with the department and has entered county agent work in Iowa. E. G. Maxwell (B. Sc., Purdue University, A. M., University of Nebraska), graduate assistant in Missouri University and University of Nebraska, specializing in market milk and dairy bacteriology, and who has had charge of the State Farm Creamery from 1915-17, has recently become county agent for Douglas county with headquarters in Omaha.

M. N. Lawritson, graduate of McCook High School, who has been associated with Mr. Colman for the past two years, and who is specializing in dairying takes the place of Mr. Colman and comes highly recommended by his predecessor.

It will be readily seen that Nebraska is losing some very valuable men which is keenly regretted by all. By co-operation and patience until their places are filled we hope to still keep dairying on the boom in Nebraska while wishing our departing friends success.—Mrs. W. J. Jenkinson.

The United States Food Administration emphasizes that it has never advised the public to decrease whole-milk consumption or attempt to substitute other foods for milk. This statement is issued to make clear that the effort to stop the waste of milk is in no way aimed at reduced consumption.

We Are Offering Some Fine Two-Year-Old Heifers in Calf to the 38-lb. Bull

Some A. R. O. cows, bred heifers, heifers unbred—fine individuals. We will decide after one dam is tested to sell one herd sire, either from King Korndyke Sadie Vale or one by King of the Pontiacs from a 30-lb. dam. Don't write for a description for all I have got, but come and see the cattle—prices right.

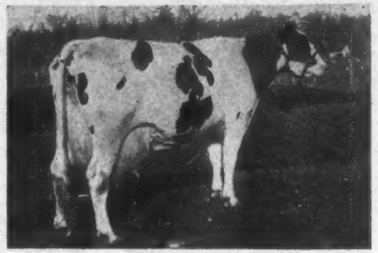
I. J. CASE **ALTA, ILL.**

FREE

THE SERVICE OF KING PONTIAC

HENGERVELD FAYNE, The bull with 999$\frac{99}{100}$% ideal breeding. The service fee for a cow with less than a 30-lb. record will be just $200. If she makes 30 lbs. at freshening we will give $100 back. A cow with a record above 30 lbs., the service fee will be $100. If she makes 40 lbs. at freshening the service is free.

PEQUEST FARMS
Belvidere
N. J.



MAY ECHO SYLVIA—The greatest and most consistent producer of both milk and butter in the short-time division. At 7 years, butter 41.01; milk, best 7 days, 1,005.8. At 8 years, butter 37.55; milk 852.2. At 6 years, butter 36.33; milk 879. A daughter and son of, and several cows bred to her 44-lb. son will be offered in this sale. Also several 20-lb. 2-year-old daughters of her only full brother.

SOME SALE

WOULD YOU COME TO CANADA FOR THESE?

Your Opportunity

The Hill-Crest Dispersion Sale

THURSDAY, MARCH 28th

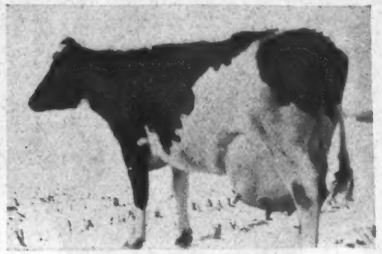
at the

UNION STOCK YARDS, Toronto, Canada

All Young—60 Head—Superior Individuals

Composed of

The Hill-Crest Herd *Plus* **Avondale & North Star Herd**
(G. A. Brethen Dispersal) (A draft of 17 extra choice ones)



HILLCREST KING PONTIAC RAUWERD (Canada Pauline Rauwerd, H. F. H. B.). At 3½ years—butter, 7 days, 34.04; milk, 688.6; butter, 30 days, 135.04 (Canadian record); milk, 2,738.1; milk, one day, 103.3 lbs. Her milk records are largest in Canada for her age. A daughter of the 29,000-lb. cow, Rauwerd Count De Kol Lady Pauline, and sired by King Pontiac Artis Canada (44 tested daughters), a son of King of the Pontiacs and Pontiac Artis. This heifer, her son and her sister by the 44-lb. son of May Echo Sylvia, and her brother, Hillcrest Ormsby De Kol, the herd bull, will be sold in this sale.

NOW, SEE WHAT WE HAVE

A SON and TWO DAUGHTERS of a 29,000-lb. show cow.

THINK! Where have you heard of any other sale in America that could boast of ONE son and ONE daughter of a 29,000-lb. dam?

Then CONSIDER—that this **son** is **also** a son of the same sire as the first five times 30-lb. cow, that the first daughter of his dam was the first junior 3-year-old to exceed 20,000 lbs. in one year, and his second sister of his dam is a 34-lb. 3-year-old with 103.3 lbs. milk and holds all milk records and 30-day butter records in her class for Canada, and that his first daughter to freshen in our herd has 29.31 lbs. in first week as a 3-year-old.

The Two Daughters

Hillcrest K. P. Rauwerd (Canada Pauline Rauwerd, H. F. H. B.), a 34-lb. granddaughter of **King of the Pontiacs** from a 29,000-lb. granddaughter of Pietertje Hengerveld Count De Kol. What would her son be worth from **your bull?**

Hillcrest May Echo Sylvia Rauwerd, a 5-months daughter of the 44-lb. son of the great **May Echo Sylvia** from a 29,000-lb. dam with a 20,000-lb. junior 3-year-old and a 34-lb. 3-year-old daughter. Her two nearest dams average, milk, 1 day, 132 lbs.; milk, 7 days, 863.7 lbs.; milk, 30 days, 3,598.5 lbs; milk, 1 year (sire's dam's record made at 1 yr. 11 mos.), 23,378.4 lbs. Her three nearest dams average, butter, 7 days, 38.56 lbs.; butter, 30 days, 155.40 lbs.

HILLCREST ORMSBY DE KOL—A son of Sir Admiral Ormsby, sire of Jennie Bonerges Ormsby (the first five times 30-lb. cow and out of the 29,000-lb. cow Rauwerd). He has a 20,000-lb. junior 3-year-old sister and a 34-lb. 3½-year-old sister. Both Canadian champions. His first daughter to freshen in our herd is now on test with 29.31 at 3½ years for first week. Several of his sons and daughters and two sisters will be sold in this sale.

Now Frankly

Even at Worcester had you the opportunity to bid on an offering quite like THIS? And remember—She is just the way you would like her as an individual.

ALSO—A 6-year-old granddaughter of Hengerveld De Kol with over 34 lbs. in 7 days, 135 lbs. in 30 days. Milking up to 122.5 lbs. in best day. A 30-lb. 3-year-old sired by our only full brother of **May Echo Sylvia.**

Six sons of 30-lb. cows. Three of them from dams that have milked over 110 lbs. a day. One from a 34-lb. 3-year-old; another from a 34-lb. 6-year-old with over 3,200 lbs. of milk in 30 days.

YEARLY RECORDS

A 20,000-lb. junior 3-year-old (who is also a 34-lb. 6-year-old); a 22,785-lb. 4-year-old (29 lbs. in 7 days). Canadian records when made. (Both by our son of [illegible]

A son of a 29,000-lb. cow (second only to Tilly Alcartra for year 1915-1916), and her first daughter in milk was first 20,000-lb. junior 2-year-old.

Another whose dam, a junior 3-year-old, and her sire's dam average

Please mention the Holstein-Friesian World when writing to our advertisers

YEARLY RECORDS

A 20,000-lb. junior 3-year-old (who is also a 34-lb. 6-year-old); a 22,785-lb. 4-year-old (29 lbs. in 7 days). Canadian records when made. (Both

HILLCREST PONTIAC SUSIE—A granddaughter of Hengerveld De Kol. At 6 years, butter, 7 days, 34.10; milk, 760; butter, 30 days, 135.52; milk, 3,216.8. Best day's milk, 122.5. A daughter and a son by Hillcrest Ormsby De Kol; also a granddaughter and grandson by same bull will be sold.

A son of a 29,000-lb. cow (second only to Tilly Alcartra for year 1915-1916), and her first daughter in milk was first 20,000-lb. junior 2-year-old.

Another whose dam, a junior 3-year-old, and her sire's dam average nearly 25,000 in 1 year and still another who, we believe, has the highest average for both milk and butter for two nearest dams—27,724.3 lbs. milk and 1,067.12 lbs. butter in one year. Not many offered like these fellows.

IN SHORT—30-lb. cows, 20,000-lb. cows, their sons, daughters and granddaughters comprise the Hillcrest Herd. Every animal was bred, raised and developed right here. Every animal in milk is officially tested, the **whole herd**—2 years old and up—averaging over 25.50 lbs. butter in 7 days and over 88 lbs. milk in one day. The 3-year-olds and up average 30.04 lbs. butter in seven days and 99.4 lbs. milk in best day. (This will be increased well over 100 lbs. when the heifers now on test get to their largest flow.)

A FOUR-MONTHS-OLD DAUGHTER OF MAY ECHO CHAMPION (only full brother to May Echo Sylvia) and our foundation cow, "Sadie Vale." She and her sisters, Hillcrest Pontiac Vale and Hillcrest Pontiac Sadie, together with several daughters of her sire, will be sold.

MAY ECHO SYLVIA

No Sale Ever Held Ever Offered as Big an Opportunity to Get the Blood of this Great Cow

A **son** by her world famous 44-lb. son, **Champion Echo Sylvia Pontiac.** Dam a tested 2-year-old daughter of the 33-lb. bull, Woodcrest Sir Clyde. A **dozen daughters** of the great Avondale sires—**Prince Hengerveld Pietje** (7 30-lb. daughters), **King Pontiac Artis Canada** (44 tested daughters), and the present 33-lb. sire, **Woodcrest Sir Clyde.** Nearly all are safely in calf to the great **Champion Echo Sylvia Pontiac.** You know how his sons are selling and the cost of a service. You might get a grandson of May Echo Sylvia from one of these good heifers.

ALSO several 20-lb. 2-year-old daughters of her only full brother

RAG APPLE KORNDYKE 8TH

J. W. Stewart's herd sire we believe is one of the very best individual sons of the "Mighty Rag Apple." He weighs about 2,400 lbs., is out of a 24-lb. dam with a 31-lb. daughter and is a show bull from the ground up. As he now has a 30-lb. junior 2-year-old and a 42-lb. senior 3-year-old sister and his baby brothers have reached almost fabulous prices at auction, it would be well to get your bid in on this one.

His son from a 31-lb. cow with a 24-lb. junior 2-year-old daughter and a daughter of a 31-lb. cow will also be sold.

HILLCREST PONTIAC VALE (Hermes Pontiac Vale, H. F. H. B.). A granddaughter of Hengerveld De Kol. At 5 years—butter, 7 days, 29.02; milk, 530.5. At 4 years—butter, 1 year, 986.25 (Canadian record); milk, 22,785. She and her 27-lb. 4-year-old daughter, 2 granddaughters by Hillcrest Ormsby De Kol, will be sold. Also her full sister, 28.87 at 5 years with a 29.31-lb. 3-year-old and a 20.81-lb. 2-year-old daughter.

YOUR ATTENTION PLEASE

We would draw your attention to the wonderful **individuality** of the **whole** offering. We have shown you a few amateur, untouched snapshots; only lack of space prevents us showing others equally good. The catalog will be illustrated.

Also not only to the extremely high butter average for the whole Hillcrest Herd, but to the extremely large milk flow and normal per cent of fat. These are the kind of records that can be transmitted.

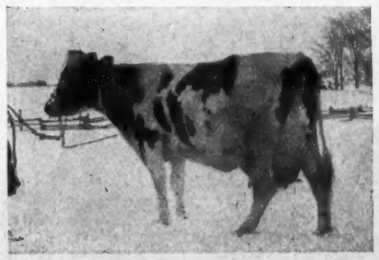
Practically every animal offered is American bred and any not already registered, with a very few exceptions made known at time of sale, will be registered free of charge if sold to American breeders.

The owner of each animal will guarantee the health of his offering and as this is a Breeders' Sale, we know absolutely just what we are going to sell and can give an iron-clad guarantee with every animal.

This is an offering that will appeal to the best breeders and we believe as Toronto is very easy of access and shipping facilities are of the very best the men with the good cows will want one of the good bulls and the men with the world famous bulls will be equally prompt to recognize the unequalled opportunity of securing females of quality fit to mate with the Greatest Bull in the World.

Write in early for a catalog. We believe it is on a par with the offering. That's going some.

G. A. Brethen HILL-CREST FARMS Norwood, Ont., Can.



HILLCREST MAY ECHO COUNTESS—At 3½ years—butter, 7 days, 30.10; milk, 501.2; butter, 30 days, 115.03; milk, 2,350.2. A daughter of May Echo Champion (the only full brother of May Echo Sylvia, whom she very closely resembles). She and her two sons by Hillcrest Ormsby De Kol, will be sold, also several of her 20-lb. sisters.

Well! Well!! Well!!!

Here They Are, at

STRICKLAND FARM

A fine foundation trio—Bull calf from a 28.18-lb. dam, and two heifer calves from A. R. O. dams.

Good bred ones, and say—some individuals

This whole herd for $500

S. M. STRICKLAND Carthage, N. Y.

A SON OF KING MODEL

Dam, Ormsby Queen Pontiac, a 3-year-old, who has just completed a record of 20.18 lbs. butter in 7 days, 82.80 lbs. butter in 30 days. She is sired by King Korndyke Hengerveld Ormsby, and her dam is a full sister of King of the Pontiacs.

This bull calf was born Nov. 24, 1917, is seven-eighths white and a fine individual. Price, $250.

Farm at Water Valley N. Y. **RENGEDYKE FARM** Eugene D. Hofeller Business Office Marine Nat'l Bank Bldg. Buffalo, N. Y.

DUTCH CORNER HOLSTEINS

Two good individual bull calves, sired by Governor Walker Lyons 196616 One dark—born November 27, 1917. Dam a 23.16-lb. granddaughter of Korndyke Queen De Kol's Prince. One light—born December 12, 1917; dam a 23.22-lb. four-year-old. Both cows from same dam. She has another daughter who averaged 109 lbs. milk per day. Your choice, delivered, $125. Send for photo and pedigree.

John J. Walrath East Springfield, N. Y.

$100.00 Bull Calf Born Dec. 21, 1917

Dam, Valley Farm Lockhart 166183.
Butter, 24.37 lbs. at 4 years.
Sire, Lockhart Lilith King 146755. Dam, 31.77 lbs. His sire's seven nearest dams all 30-lb. cows.
Bull a little dark in color but nicely marked, a bargain at this price.

LOCKHART HOLSTEIN FARM
Eugene La Munion Solsville, N. Y.

FOR SALE

A few sons of King Sadie Vale Hengerveld, who is a son of King Korndyke Sadie Vale, and S. V. H. Belle De Kol, the highest record daughter of Sir Veeman Hengerveld and fourth highest record heifer of her class in the world, record 3 years 8 months, 37.38 lbs. butter.

One calf is out of a daughter, and three others out of granddaughters, of Sir Veeman Hengerveld.

Also a few well bred females for sale, bred to King Colantha Clothilde 3d, a grandson of Colantha Johanna Lad, and whose six nearest dams average 30.58 lbs.

We have a few sons of King Colantha Clothilde 3d that are for sale.

FLOCK BREWING CO.

WILLIAMSPORT PENNSYLVANIA

BUCKS COUNTY (PA.) HOLSTEIN CLUB MEETING.

As per instructions of the publicity and extension bureau of the Holstein-Friesian Association of America, I attended the meeting of the Bucks County Holstein Club at Doylestown, Pa., on February 23, 1917.

I was much pleased to meet Professor Bereland of the extension dairy work department of Pennsylvania State College. Professor Bereland's services can be secured free of charge by dairy or cattle associations in Pennsylvania.

He gave the best lecture on "The Benefit of Purebred Dairy Cattle," especially Holsteins, that I ever heard. His address was illustrated by charts, his first chart summed up the official records of the different breeds, showing, as we all know, that Holsteins are on the top. Of course, the professor is impartial and does not boost any particular breed, probably his most valuable talk was on the community buying of high record, registered sires showing the wonderful results in several communities where they had bought such sires. One chart demonstrated the importance of having high record bulls and ancestors on both sides and the deterioration of the offspring of sires whose ancestors had not been tested. Another valuable chart was the scoring card of a large cow testing association, not naming any breed, but the Holstein had the lead in every way. The professor's address was very valuable and appreciated by all present, and every dairy association in the state should avail themselves of the opportunity to hear him.

> Enclosed find $1.00 for which you will please renew my subscription to the World for another year. It gives me the cream of all news and I would certainly hate to do without it.
> J. W. J., Tennessee.

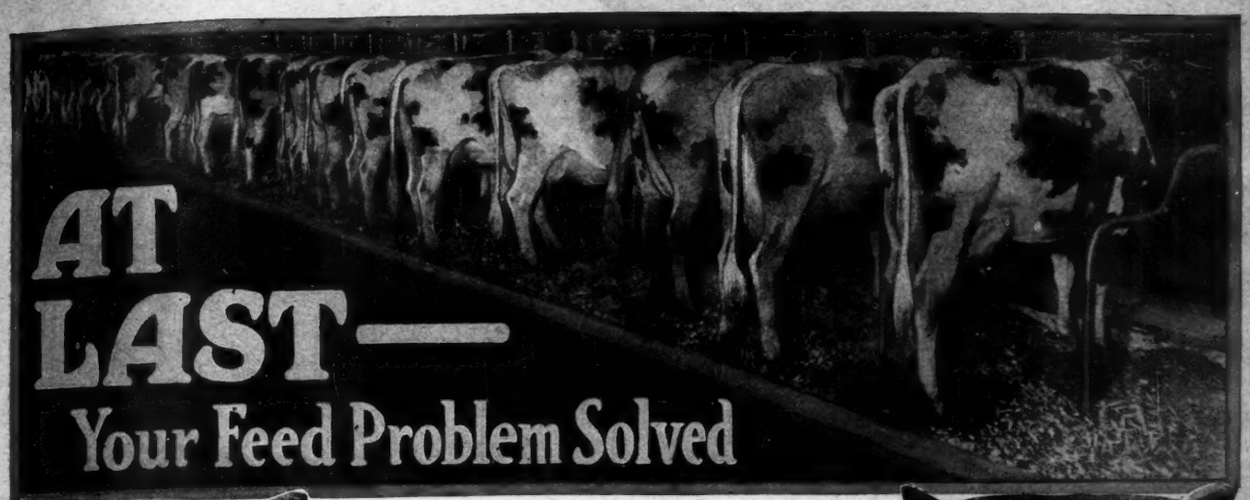
The next speaker on the program was the writer, who contemplates holding a consignment sale in Buck county. The main topic was "Milk Inspection" and the drastic milk regulations in the city of Philadelphia, which caused the long hauls of pasteurized milk to the city and a surplus milk from the small dairies in the near vicinity.

The members of the Bucks County Holstein Club are all good business and practical farmers who know the importance of Holsteins as a dairy breed.

The following officers were elected for the coming term: President, Hon. Joseph Heacock; secretary and treasurer, Robert C. Wilson; vice-president, Isaac S. Green, executive committee, Wm. Bishop, Dr. Rosenberger, and Lewis Sattersthwaite.

I cannot too strongly urge the importance of organizing Holstein clubs in every county, especially at this time when the raising of dairy cattle is so necessary.—W. H. Benninger, Pennsylvania.

There are thousands of cows that if given a chance would make good records.



You Can NOW Feed ANY Cow the Right Feed to Meet HER INDIVIDUAL Need

Dairy farmers and breeders have been urging us for some time, and particularly of late, to give them an ideal, high protien mixture to be used with SCHUMACHER FEED—the old reliable, ideal carbohydrate feed. They wanted a ration that would better meet the INDIVIDUAL NEEDS of their dairy cows—that would eliminate labor and guess-work of home-mixing—that has as great a variety in its protein content as we have in the variety of carbohydrates in SCHUMACHER FEED.

We are pleased to announce that after much scientific research, backed by exhaustive practical tests, we have produced a most remarkable, high protein feed in our BIG "Q" DAIRY RATION. It is as much superior to other protein mixture as SCHUMACHER FEED is superior as a carbohydrate feed. In addition, by feeding these two feeds in combination, we have given to dairymen the most simple, easy-to-feed ration possible to compound—one that will not only produce exceptional results in the pail and maintain the best physical condition in their cows, but save a lot of time and labor and relieve them of all guess-work incident to mixing their own. With

SCHUMACHER FEED AND BIG "Q" DAIRY RATION

fed in combination, you can easily and quickly proportion, the amount of protein and carbohydrate content to suit the individual requirement of each cow in your barn.

BIG "Q" DAIRY RATION is a result of extended, actual tests in order to eliminate all guess-work as to results. It is first, last and all the time a *"Quality Feed"* combining the five essentials of an ideal protein ration, i. e., *Palatability, Digestibility, Nutrition, Variety and Bulk.* Its analysis shows Digestible Protein 18.5%. Total Digestible Nutrients, 78.

SCHUMACHER FEED needs no introduction. It has proved its merit time and again and has to its credit (fed with high protein concentrate) more world's champion milk and butter records than all other feeds combined.

You will find in these two wonderful feeds that ideal combination of a variety of proteins and variety of carbohydrates you have been wanting—looking for—a long time.

Try These Feeding Plan Suggestions:

TO DRY COWS—4 parts Schumacher Feed, 1 part Big "Q" Dairy Ration.
GENERAL HERD RATION with Ensilage or Roots—1 part Schumacher Feed, 1 part Big "Q" Dairy Ration.
TO FRESH COWS with Green Feed—2 parts Schumacher Feed, 1 part Big "Q" Dairy Ration.
TEST RATION—1 part Schumacher Feed. 2 parts Big "Q" Dairy Ration.
(Increase Big "Q" Dairy Ration if cow can handle more protein without bad effects.)

Go to your dealer, get a supply and let your cows prove for you all and more than we are able to tell you in this advertisement.

The Quaker Oats Company, Address Chicago, U. S. A. (63)

Some Comparisons—Moyer National Sales

June 1916—Detroit, Mich.	June 1917—Worcester, Mass.	June 1918—Milwaukee, Wis.
140 animals .....$155,090.00 Average 1,107.73	143 animals .....$296,470.00 Average 2,073.21	A three-day sale—175 head. 45 consignors from 14 states.
73 buyers from 18 states. 28 consignors from 7 states.	57 buyers from 17 states. 40 consignors from 9 states.	
Two sons of 40-lb. cows.	Two 40-lb. cows. Four sons of 40-lb. cows. Two daughters of 40-lb. cows.	Two 40-lb. cows. Six sons of 40-lb. cows. Three daughters of 40-lb. cows.
48 30-lb. cows and sons and daughters.	65 30-lb. cows and sons and daughters.	100 30-lb. cows and sons and daughters.

Present indications point to the greatest sale that the Holstein breed has ever known at Milwaukee next June. H. A. Moyer, who has been sale director of the last two National Sales, held at Detroit, Mich., and Worcester, Mass., has returned from a western trip, during which he secured approximately 100 animals from the following states: Washington, Minnesota, Nebraska, Iowa, Wisconsin, Ohio and the Dominion of Canada. It is expected that fully ten eastern breeders will consign at least five head each, which will bring the total number of head to be offered at Milwaukee to approximately 175. Inasmuch as this is too many to be sold in two days it has been decided by Mr. Moyer to make the sale a three-day event, staging it on Thursday, Friday and Saturday, June 6th, 7th and 8th.

These 175 head will be consigned by 45 of the representative breeders, east and west. No less than fourteen states will be represented.

The offerings, which will be in keeping with this sale, already include two 40-pound cows, six sons of 40-pound cows, three daughters of 40-pound cows and no less than 100 30-pound cows or sons and daughters of 30-pound cows. This exceeds by 50 per cent, practically speaking, the number of animals offered in these classes of any previous sale. And this assertion will doubtless be made certain by later entries which may be expected between now and sale time.

The history of the National Sales under Mr. Moyer's management has proved one of the absorbing chapters of Holstein history in this country. Mr. Moyer took over this proposition previous to the annual meeting at Detroit, Mich., in 1916, and at the close of a two-day sale of 140 animals, had secured for the consignors over $155,000, or an average of $1,107.73. In this sale two sons of 40-pound cows were offered and the highest price obtained was $20,000. A year later, at Worcester, Mass., the sale of 143 animals for $296,470 gave an average of $2,073.21. At Worcester two 40-pound cows were sold—both world's champions—four sons of 40-pound cows and two daughters of 40-pound cows. The highest price obtained was $53,200. At Detroit 48 30-pound cows or sons or daughters of 30-pound cows were offered. At Worcester there were 65. For Milwaukee there are already 100.

From the data obtained, by comparison of the Detroit and Worcester sales, it will be seen that with respect to buyers the Detroit sale proved more satisfactory, although the average price obtained was scarcely half that gotten at Worcester. At Detroit there were 73 buyers from 18 states. At Worcester there were 57 buyers from 17 states.

It may be safely predicted even at this early moment that the Milwaukee sale will go down in history as one of the very greatest the Holstein breed has known. There is an unprecedented demand for dairy cattle. The sale will be located in the middle west, which is the gateway to the locality that is demanding, and will demand, Holsteins in such quantities as to swamp the capacity of every breeding establishment in this country. The Milwaukee sale will amaze even the most enthusiastic Holstein man.

A NEW HERD SIRE AT CLEVELAND CITY FARM.

Following out their custom of breeding for extreme yearly production, the City of Cleveland Farm has recently acquired a junior sire bred most sensationally in this respect. His sire is Maplecrest Pontiac Hartog and his dam is Early Dawn Peep 2d, one of the best known animals of the breed. In May 1917 she completed a year's record of 1,287.7 pounds of butter from 26,204.1 pounds of milk. At the time of the National Dairy Show at Columbus, her owner, Peter Small, shipped her to the exhibition where she completed a seven-day record of better than 33 pounds of butter from better than 630 pounds of milk. This she did in the presence of the throng attending the show and after having been shipped 150 miles and giving birth to twin calves.

Early Dawn Peep 2d is an individual of outstanding merit. She carries a most beautiful udder, has a long, level rump, is exceptionally deep through the heart and is, in all, a most desirable dam for a herd sire. She is a full sister to Aaggie Wayne Peep of the Schroeder herd with a production of 27,762.5 pounds of milk and 1,250.35 pounds of butter. They are in this regard the world's greatest full sisters. They are the only two full sisters in the world each of which has crossed the 1,000-pound mark and they are likewise the only two full sisters each of which has crossed the 26,000-pound mark for milk.

As to the sire of this new bull—Maplecrest Pontiac Hartog has four daughters that have completed year's records averaging 813 pounds of butter and 16,524 pounds of milk at an average age of 2 years 4 months and 22 days. He is a son of Pontiac Aaggie Korndyke with six 1,000-pound daughters while his dam is Burton Highlawn 2d's Hartog with three yearly record daughters, one of which is the famous Highlawn Hartog De Kol with 1,247.92 pounds of butter from 25,592.5 pounds of milk in a year. She in turn is the dam of Maplecrest Pontiac Flora Hartog, also with the record of better than 1,200 pounds of butter from 25,000 pounds of milk, constituting the only mother and daughter each of which has produced in excess all these amounts. Burton Highlawn 2d's Hartog was Ohio's first 30-pound cow. She is one of the two 30-pound cows of the herd producing two 30-pound daughters that each has a daughter to do likewise.

It is interesting to note that there are now ten cows in the Cleveland City herd having records that average 1,071.3 pounds of butter from 25,786.4 pounds of milk and by crossing this youngster with these great animals this establishment should produce something very fine in the way of animals with yearly record backing.

Keep proven sires as long as possible. Community breeding associations make possible a longer use of good sires and make such sires available on more farms.

Good corn silage and alfalfa alone form nearly a balanced ration.

We Will Sell

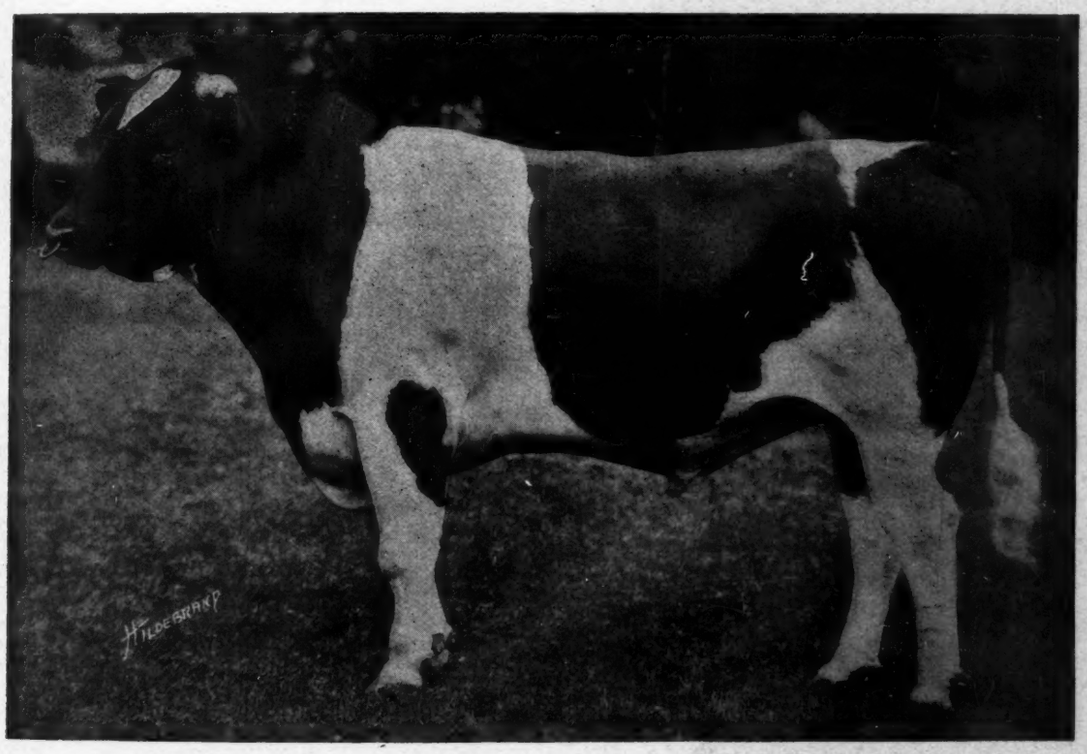
Six Sisters of the World's Champion

We are offering some wonderfully choice animals at Mr. Moyer's Sale to be held March 19th, 20th and 21st, and among them are six half sisters to the world's champion senior three-year-old, Rag Apple Korndyke Pontiac, butter 42.45 lbs., milk 665.6 lbs. Every one of these heifers is a prize. Every one of them will make money for the man who buys him. Every one of them is eligible to make $1,200 in cash for her new owner, and every one carries the iron-clad guarantee of Pine Grove Farms. Fellow breeders, don't miss this golden opportunity to buy

Daughters of

Rag Apple Korndyke 8th

The Greatest Bull in the World



At Syracuse, N. Y., March 19-20-21

In addition to the above is a son of the great Rag Apple Korndyke 8th from a 32-lb. dam; and in addition to those mentioned we are selling thirteen choice cows, all in calf to our greatest herd sires soon ready to freshen. Twenty head in all. Don't miss this sale. Go there determined to buy a lot of these good cattle that are real money makers, at your own price.

Oliver Cabana Jr. **PINE GROVE FARMS** Elma Center, N. Y.

FOR HOLSTEIN WOMEN

MRS. HELEN S. K. WILLCOX

Cold Storage for Farm Produce.

I wonder if we realize what a wonderful thing the great cold storage plants of today are. When we think cold storage, undoubtedly many of us call to mind the hated middleman, who, by their aid, is enabled to pay us very moderate prices at the conclusion of the harvest for our perishable products and then, some six months later (or perchance six years) sells the same produce at double and triple prices.

The food situation would be exceedingly more complex, however, if food were not preserved from day to day for future use. It would be of a hand-to-mouth situation in truth. The oranges and lemons of California now travel in safety across the hot western desert lands and reach eastern markets in fine condition. The consolidation of citron growers, world famous, who grow their crops on California and Florida soils would never have become the great forces they are now, except for cold storage as exemplified in the refrigerator cars. Their fruits could never reach eastern or northern states in eatable condition and their vast businesses have grown only since transportation facilities became perfect for conveying their product. Just as with famous Oregon and Washington apples which annually cross a continent to give health and pleasure to thousands of eager customers and even now are being safely shipped over there so that our soldier boys may truly "do their bite." These apples are artificially cooled immediately after picking and so perfect is the cooling on the long haul that they compete in prime condition with New York state apples in New York City. Without refrigeration, Georgia could not have become the peach state and New York state would also be a month shorter at the peach growing end than it now is. The lucious northern cherries set the cherry standard in the east. The famous Oregon raspberries, most perishable of fruits, are now enjoyed in Minneapolis and it is hoped and expected that improved methods will shortly put them on the far eastern tables. On the other hand, the great middle west ships foods still farther west as well as receiving produce from the same source. Both the Pacific and Atlantic coasts depend on the corn belt for poultry and eggs. But without proper refrigerator facilities, these everyday foods would become the most veritable luxuries and only available to the very rich. The fine fish, so called fresh, such as salmon and halibut, comes from the opposite side of the continent, three thousand miles away. And as you know, China has entered the market and is now successfully sending us eggs, which once again compete with the new laid egg of the farm a mile distant. Nothing is in season any more, thanks to cold storage, for everyone can enjoy food as a matter of course any time of year. It must have been a monotonous diet our grandparents enjoyed, everything in season only, and nothing out. It is said that an egg, under improper temperature becomes a stale egg in four days, while kept under proper storage conditions, it retains its fresh qualities for four months.

Different kinds of food need different conditions for storage and hence the various storage concerns specialize on fish, or meat, or butter and eggs and so on. It was ascertained, for instance, that butter will keep best when hard frozen at a temperature of from zero to 10 degrees above zero. It was also found necessary, as every housewife knows, to keep the butter away from all foods having odors. It was found on the other hand, by frequent experimentation, that fine cheese is destroyed if kept at a temperature below the freezing point and that it must be kept at from 33 to 35 degrees above zero, consequently the storing of cheese has become another specialized industry. Eggs must be kept just above freezing, but their natural heat necessitates a temperature several degrees below that of cheese and are therefore kept at about 30 degrees above zero. Meat is best kept in a hard frozen condition and is first subjected to a temperature of about 10 degrees below zero, the sharp freeze, and then permanently stored at 15 to 20 degrees above. The flush season for butter production is during grass time of May, June, July and August. During this period, six times as much butter is produced as during the remaining eight months. The supply greatly exceeds the demand and the surplus is put into cold storage for winter. Some of this butter may be held in storage for nine months; some for three months and maybe three days. The average butter storage is six months. Poultry, properly stored, remains in prime condition for 12 months, and it is said that even an expert can't detect the fresh from the kept then. In fact, authorities state that such a fowl is far more wholesome and palatable than a newly slaughtered chick. After this, however, the fowl would deteriorate markedly. It must also be understood that a chicken is no better after keeping than when it went in, and if not exactly right in the first place, it will be worse when finally eaten. Just so with eggs; if properly temperatured from the beginning, a four-months-old egg is superior to the highest grade of fresh laid egg, but if it has been improperly kept before placing in the iced vaults, it will be a bad egg as when it went in. By the end of each June, it has been estimated that there are 6,500,000 cases of eggs in cold storage. By December very few are left. It is a fact that everyone sometime in his life will buy cold storage products whether he thinks so or not. The farmer and his wife have much to be grateful for since ice has been made to work for them. By this means, foods are preserved and prices kept up and the law of supply and demand kept staple. The modern cold storage plants are a mighty aid in all food problems and we can be decidedly appreciative of them instead of sometimes deploring their existence.

[The statistics etc. in this article were taken from "The Truth About Cold Storage," in the November Good Housekeeping Magazine.—Mrs. H. S. V. W.]

Domestic Science Hints.

A pudding of tapioca and prunes flavored with a teaspoonful each of almond and orange extract is a delicious and different dessert. Eat with sweetened cream or milk.

A clever woman has invented a good tasting marmalade from the skins of oranges or grapefruit. Use three grapefruit skins or five orange skins, put through fine vegetable cutter then boil up in sufficient water to a little more than cover and into which has been put a handful of salt. Let come slowly to a boil and continue to boil for five or more minutes. Put in sieve and allow cold water to run through in order to remove bitter flavor. Return to dish and cover as before with cold water. To three cups of chopped skins add one half cup good vinegar and five cups sugar. Boil slowly several hours or until mixture is quite thick. The secret of this lies in the long slow boiling. Use fresh skins. This amount will make six glasses of tried and proved marmalade.. Especially good with meat, in fruit cake or mince meat.

Boss Molasses Cookies.

One-half cup brown sugar, one-half cup molasses, one teaspoonful soda, one teaspoonful salt, one-third cup lard or drippings, one-half teaspoonful each, ginger, cloves and cinnamon, one egg, one tablespoonful vinegar, one-fourth cup hot coffee or boiling water, two cups flour (wheat and white corn.) Mix as usual and drop from spoon onto greased cooky tin.

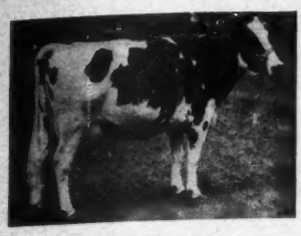
Soldier Boy Brown Bread.

One-half cup sweet milk, one-half cup molasses, one teaspoon soda, one teaspoonful salt, one and two-thirds cup new method graham flour (without bran), one-half cup corn meal. Lastly stir in a beaten egg, if desired. Bake slowly.

When the Day is Done.

I have eaten a bale
Of spinach and kale,
And I've never raised a row.
I have swallowed a can
Of moistened bran,
And I feel like a brindle cow.
I am taking a snack
From the old haystack
In the evening shadows gray.
And I'm glad, you bet,
At last to get
To the end of a meatless day.

—Washington Star.



DUCHESS SKYLARK ORMSBY

The World's Record for yearly butter production. Her figures are 1506.34 lbs. butter from 27,761.07 lbs. milk. Her 7-day figures are 34.35 lbs. butter from 688.1 lbs. milk.

A COMBINATION OF CHAMPIONS

COLANTHA JOHANNA CHAMPION 45674

Son of Colantha 4th's Johanna

Sir Ormsby Banostine Champion 166276

Son of Duchess Skylark Ormsby

COLANTHA 4TH'S JOHANNA

Her butter records in all classes were World's Records when made. Her figures are:

	Butter, lbs.	Milk, lbs.
7 days	35.21	651.70
30 days	139.64	2873.6
8 mos. after calving	21.6	478.6
305 days	1267.	27,432.

WE BELIEVE in the yearly record, the official demonstration of year-in, year-out production. We have sought to get the best yearly record breeding of the world and there is no better combination than that of the first great World's Champion, COLANTHA 4TH'S JOHANNA, and the present World's Champion, DUCHESS SKYLARK ORMSBY. These two wonderful animals are the foundation cows from which we are building a great herd of yearly producers. And we have 22 cows which average 875.82 pounds of butter and 20,969.8 pounds of milk, all of which have made better than 600 pounds of fat in one year. COLANTHA JOHANNA CHAMPION now has 49 A. R. O. daughters; we have 53 of his daughters, 39 of them not yet in milk. They are being bred to SIR ORMSBY BANOSTINE CHAMPION, and as fast as they freshen they are put on official test for 365 days.

We offer bull calves of this great combination of breeding.

Emblagaard Dairy - Marquette, Mich.

The Watertown Holstein Sales Co.

Formerly the Inter County Holstein Association

Holds Its

Spring Sale April 4th and 5th

WE HAVE a splendid assortment of cattle to offer our patrons this season. One large consignment alone is made up of daughters of Colantha Sir Aaggie Rag Apple, whose five nearest dams average 33 lbs. We have cows with records up to 27 lbs., including records such as 17-lb. 2-year-olds.

We have bulls whose pedigrees are hard to fault—one a 30-lb. youngster consigned by A. C. Schroeder and Sons, West Bend, Wis.; the gentlemen who bred, among other record breakers, Johanna De Kol Van Beers. This young bull's pedigree is plumb full of breeding. All our consignments are being inspected with a view toward eliminating the undesirables—a fact to be considered. And finally we are going to continue to look after the interests of our patrons in the fullest possible measure.

Write For Catalogs to

FRANCIS DARCEY, Secy., Watertown, Wis.

AURAY FARMS

We regret
We cannot
Raise them all—however,
That's impossible.
And so,
To make
A little greatly needed room
In our calf barn, we offer:

Six Heifer Calves

Three to five months old,
Classy, showy, well grown individuals;
Bred from A. R. O. dams and granddams.
Three head at $200 each, by

King Lyons Fayne

Whose splendid dam is a 29-lb. 4-year-old prize winning
Sister of the **World's Champion.**
And three head at $275 each, by

King Wachusett Valdessa

Whose young dam made
At 3 years (1915) 35.61 and 642.70 and
At 5 years (1917) 31.68 and 646.60 and
Whose three nearest dams average 37.15

Crated—Delivered Guaranteed

These calves
Are quite good enough to
Place in any herd in the country.
Or
To establish a
First class foundation.
So
Better write today for
Pedigrees and Particulars!

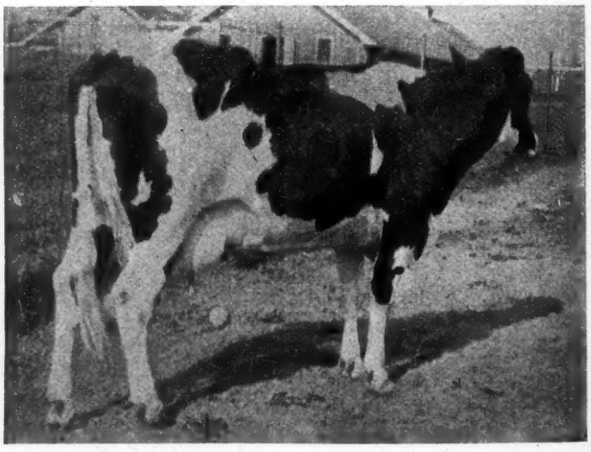
Auray Farms

F. M. Avery I. M. Avery, Mgr.
SPARTA, Sussex County, N. J.

A CALIFORNIA BOOSTER.

C. L. Hughes occupies a position of prominence in the western Holstein world as secretary and sales manager of the California Breeders' Sales and Pedigree Company. Mr. Hughes became identified with Holstein interests through his connection with a western livestock publication. He won a high place in the confidence of breeders in general, and when prominent Holstein breeders of California decided to organize a sales company they selected him as the logical man to manage the company.

That they made no mistake in their selection has been demonstrated by the results that the California Breeders' Sales and Pedigree Company has accomplished in the first years of its existence. Mr. Hughes has shown a remarkable aptitude regarding Holstein pedigrees and there are today but few men in the west who have more intimate knowledge of the Holstein families. Mr. Hughes is also secretary of the California Holstein-Friesian Association, an organization that will accomplish much good for every one in California whose interests are to be served by higher development of Holstein cattle.



ANOTHER FOR OHIO.

The junior four-year-old, Creamelle Aaggie Delmar, owned by the Cleveland City Farm, has just completed a junior four-year-old record of 21.09 pounds of butter from 594.8 pounds of milk. Last year she completed a junior three-year-old record of 2,853 pounds of butter, which at the time was the highest record of its class in Ohio. She is sired by a son of De Kol Creamella Pontiac Butter Boy, a son of the great milk producing cow, De Kol Creamelle.

ADVERTISE

YOUR WANTS AND FOR SALES in the Holstein - Friesian World

World Record Holsteins

Senior herd sire, **Lord Segis Pontiac 200253,** son of the famous **World Record cow, Countess Segis, 31.70 lbs., daughter of King Segis.**

His dam, sire's dam, dam's sire's dam and granddam have all held **World Records** over all breeds.

A few exceptionally fine bull calves sired by him for sale, express prepaid, $100 each.

Calf trios, two heifers and an unrelated bull, $400 express prepaid.

Also five fine yearling heifers safe in calf, $225 delivered to your station.

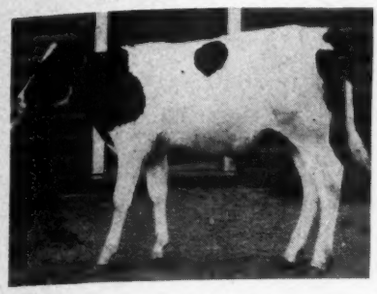
All stock guaranteed free from any disease, imperfection or blemish. All over six months of age are tuberculin tested. Insured at our expense against death from any cause in transit.

The Clermont Holstein Breeders Co., Inc. BETHEL OHIO

It will not be too much to ask able-bodied men with farm experience to aid the farmers in the necessary task of maintaining the food supply.—Secretary Houston.

ANOTHER RED CROSS CALF.

The bull calf pictured here is one of many that have been sold within the past year and the benefits donated to the Red Cross. In other words, he is known as a Red Cross calf. He was donated by his owner, William Wright, to the county fair in Minnesota, in which Fergus Falls



The Red Cross was assisted to the extent of $100 by the sale of this calf.

is located. He was sold to the highest bidder and $100 was given for him.

Ottertail county is strongly Holstein. A county breeders' association, which meets twice annually, is a strong organization of the county. At the meeting of last summer over 600 were in attendance. Holsteins do their part in helping the cow test association which is maintained in Ottertail county to make a high monthly average for a large number of cows. The mutual interest which is shown by breeders in this community is no doubt the cause of the esteem in which this breed is held.

Sale Calendar

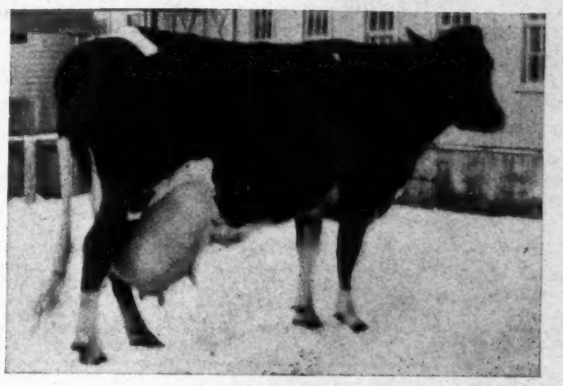
March 20—Chambersburg, Pa., S. R. Miller Sale, Thornwood Stock Farm.
March 19, 20, 21—H. A. Moyer Holstein Sale at Syracuse, N. Y. H. A. Moyer, Sale Director.
March 26—Topeka, Kans., Kansas Breeders' Consignment Sale. W. R. Mott, Herington, Kansas, Secy.
March 27—Doylestown, Pa., Breeders' Consignment and Dispersal.
March 27—Topeka, Kansas, Sunflower Herd Dispersion Sale.
March 27-28—Des Moines, Iowa, Iowa Holstein-Friesian Breeders' Sale.
April 2-3—Brattleboro, Vt., Purebred Livestock Sales Co.
April 4-5—Watertown, Wis., Watertown Holstein Sales Company Annual Spring Sale.
April 10—Watseka, Ill., Consignment Sale, H. C. Horneman, Mgr.
April 17—Lincoln, Neb., Nebraska Holstein Dairymen's Sale, State Fair Grounds, Dwight Williams, Omaha, Neb., Sale Mgr.
April 18—Cortland, N. Y., R. H. Beard's Sixth Annual Sale.
April 23-24—Algonquin, Ill., Riverside Herd and Spring Lake Dairy Herd Dispersion. R. E. Haeger.
April 25—Howell, Mich., Eighth Howell Consignment Sale.
May 1-2—Lake Mills, Wis., Lake Mills Holstein Breeders' Consignment Sales Company. Frank H. Everson, Manager.
May 6-7—Waukesha, Wis., Waukesha County Holstein-Friesian Breeders' Association Sale. W. L. Baird, Manager.
May 8-9—Fond du Lac, Wis., Holstein Breeders' Sale Company. S. H. Bird, South Byron, Wis., Manager.
May 6-7-8—West Point, Miss., C. W. Ellis Jr., Dispersal Sale of 150 head of purebred and grade Holsteins.
May 14-15—Syracuse, N. Y., Second Eastern Breeders' Sale.
May 15—Grand Rapids, Mich., West Mich. Holstein Breeders' Annual Guarantee Sale.
May 16—Howell, Mich., Livingston County Holstein Breeders' Sale Co.
May 16—Marshfield, Wis., Central Wisconsin Live Stock Breeders' Assn., W. W. Clark, Grand Rapids, Wis., Sale Mgr.
May 16-17—Binghamton, N. Y., Consignment Sale, L. S. & P. Co., Mgrs.
May 22—Cumberland County Breeders, Carlisle, Pa.
May 23-24—Fond du Lac, Wis., Holstein Breeders' Sale Company. S. H. Bird, South Byron, Wis., Manager.
May 28—Saginaw, Mich., Saginaw Valley Breeders.
June 4-5—Brattleboro, Vt., Purebred Livestock Sales Co.
June 6-7—Waukesha, Wis., Schley Bros. Dispersal Sale.
June 6-7—Milwaukee, Wis., H. A. Moyer National Sale.
June 13-14—Poughkeepsie, N. Y., J. B. Sisson's Sons.
June 27—Middlefield, Ohio, A. W. Green's First Annual Sale.
Aug. 6-7—Brattleboro, Vt., Purebred Livestock Sales Co.
Oct. 1-2—Brattleboro, Vt., Purebred Livestock Sales Co.

TWO BULLS

Consigned to the

MOYER SALE, March 19th, 20th, 21st

ONE IS FROM THIS COW



QUEEN PONTIAC GALE—558.6 Milk—32.08 Butter in 7 days and 2,465.2 Milk—129.37 Butter in 30 days. She is a granddaughter of King of the Pontiacs.

The other is from her daughter who has recently calved at 4 years 1 day old, making 504.6 milk, 28.59 butter in 7 days and 2,142.8 milk, 99.31 butter in 30 days.

Both these bulls are just above one year old and ready for service.

Both are sired by King Pontiac Reliance and are individually very excellent.

King Pontiac Reliance is by King of the Pontiacs and from Maple Knoll Helen (33.16 butter, 7 days), the best daughter of King Korndyke Hengerveld Ormsby.

Oneida Community, Ltd. Oneida, N. Y.

Heat Your Babcock Hand Test Machine with Steam

by using BOYNTON'S STEAM HEATER

which heats the Babcock Testers with live steam direct and expands the fat to the limit and gains extra tenths for the cow instead of losing them. For circulars and price—

WARREN M. BOYNTON
Box 85 Scotia, N. Y.

R. H. BEARD'S SIXTH ANNUAL SALE APRIL 18, 1918

Consisting of 80 head of purebred Holsteins, many of which are bred to Ormsby Jane King, the $20,000 bull, whose dam made over 44 lbs. twice.

AT CORTLAND, N. Y.

Grahamholm Herd

You can get grandsons of **King Segis** At GRAHAMHOLM FARM

Sir Winana Beets Segis

Has proved himself one of the best sons of the great KING SEGIS. He now has a 35.38-lb. daughter and another that has made 30 lbs. as a four-year-old.

He is a three-fourths brother to the sire of the only 46-lb. heifer.

He is a half brother to the sire of the only 50-lb. cow and the only 40-lb. junior four-year-old.

We have a choice lot of his sons for sale, ages from calves up to nine months. They are from dams with records up to 30 lbs.

Also have a few sons of DUTCHLAND CREAMELLE COLANTHA LAD, one of the best bred bulls with respect to yearly record backing. These young bulls are from daughters of Sir Winana Beets Segis. Come or state your wants.

Address
W. J. BOYNTON
Manager
Rochester, Minn.

THOUSAND DOLLAR KIND

His dam is a daughter of King of the Pontiacs. At the age of 4 years and 3 months she made 23 lbs. of butter from 442 lbs. of milk. Could not get her dry before she freshened this time. She is full age now and is a wonderful producer. We have made several 30-lb. records and believe she will reach that mark at next freshening.

His sire's dam at five years made 30.05 lbs. of butter from 521 lbs. of milk, and then came back again this winter as a six-year-old and made 30.31 lbs. of butter from 551 lbs. of milk, 20 days after calving. She has a 26-lb. 26-months-old daughter.

The sire's sire's dam at 3 years made 30.10 lbs. of butter from 587 lbs. of milk. At four years she made 32.72 lbs. of butter from 613 lbs. of milk. And at five years 35.43 lbs. of butter from 750 lbs. of milk.

He's a real bull in every way, straight as a gun barrel, more white than black, very attractive appearance. His three nearest dams average 29.50 lbs. of butter and 571 lbs. of milk. $325 delivered. Write for pedigree and picture.

Hobart W. Fay "QUALITY FIRST" Mason, Mich.

King Segis—*The greatest grandsire the world ever saw*

Prilly—*The world's greatest transmitting cow*

They can be grandsire and granddam to YOUR next herd sire

WRITE US FOR PARTICULARS

J. L. Kerr and Geo. I. Martin
"The Home of King Prilly Segis" Warner, N. H.

Savage Service

DOES RATION CAUSE GARGET?

Please improve the following ration through your "Savage Service." Mixed grain (oats and barley, equal parts) and buckwheat ground together (equal parts) mixed with bran as follows: 3 of above mixture and 2 of bran. For roughage we have clover hay and also allow cows to pick over buckwheat straw. We also have silage but feed only about 25 pounds each per day as we are rather short on it.

We are having some trouble with garget. In your opinion is it caused by the above ration?—J. T. R., New York.

The following mixture is suggested: 400 pounds ground barley and oats, 200 pounds ground buckwheat, 200 pounds bran, 200 pounds cottonseed meal, oil meal or gluten feed.

I have suggested cottonseed meal, oil meal or gluten feed because I know it is difficult to get feeds at the present time. I should prefer, if I could get it, 100 pounds of cottonseed and 100 pounds of oil meal in the above mixture, but any combination that you can obtain under the exceedingly difficult conditions, of cottonseed meal, oil meal or gluten feed to the extent of 200 pounds of the mixture will give you a very good mixture with buckwheat, oats, barley and bran.

The above mixture as you have been feeding it, or as suggested with the addition of high protein grain, would have no effect one way or another on garget although perhaps the more oil meal you have, to the exclusion of cottonseed and gluten, will relieve the garget conditions to some extent. In my opinion garget is a specific disease of the udder which is not influenced very greatly by feed, although heavy feeding of cottonseed meal or gluten, in the minds of many practical feeders, predisposes cows to this disease. Two hundred pounds in 1,000 pounds of other feeds would not in my opinion, predispose a cow to garget. Certainly there is nothing in oats, barley, buckwheat and bran that would cause garget. I would advise you to consult a veterinarian.—E. S. Savage.

LARGE EXPOSITION FOR PACIFIC COAST.

D. O. Lively, of San Francisco, has been named chairman of the livestock committee of the Pacific Coast Land and Industrial Exposition, which will open in Oakland, Cal., August 15th, and continue until October 15th. The exposition will cover an area of 30 acres, surrounding the civic auditorium. The latter building will be devoted to entertainments, moving pictures and industrial exhibit sports while the grounds facing Lake Merritt will be occupied by state and county agricultural industrial exhibits, livestock, a stadium where roundups will take place, poultry, automobile and tractor exhibits.

The livestock quarters will accommodate 1,500 head of purebred dairy and beef cattle from the famous stock ranches of the country. A number of stock breeders and raisers have already reserved space for the big autumn exposition.

Your experiences will be helpful to others, send them in.

Did You Know Masterpiece

Our herd sire immediately preceding The 6th? Four of his heifers have been semi-officially tested for a year at an average age of 2 years 7 months 10 days and the average production of the four is 19,516.9 lbs. milk, 875.62 lbs. butter. We have all of them in our herd and a nice bunch of their sisters.

Do you know—that this has been one of the leading herds of the breed over a longer continuous period than any other herd in America?

If you should write us — about females we would probably say that we didn't have anything for sale, but if you would come here yourself and get really acquainted with us and our cattle you would probably take back a bunch of good ones at rather less money than you had expected to pay.

You know — we don't put our cattle on the scrap heap for the sake of making sensational records, either short or long time; for instance, each one of the Masterpiece heifers mentioned above has recently dropped a nice calf or will within a short time, but—

And here's something I bet you didn't know, or if you did you have forgotten it—our herd won more of the association's butter prize money for the last fiscal year than any other herd in America, and it did the same thing the first year that our association offered prizes for official butter records, and has been inside the money every year between.

There is one thing you haven't forgotten, and we don't want you to forget it — this is the home of ***Spring Farm King Pontiac 6th*** — *the bull that puts degree in pedigree.*

Wouldn't this be a pretty good place to look over, Mr. Buyer? Yes, we have got them hitched out on the platform.

Est. 1876 — Henry Stevens & Son, Lacona, N. Y. — *175 Head*

Oh! By the way—
we haven't any of The 6th's 3-year-olds on yet but they are coming pretty quick now, and while we are waiting his junior twos keep clipping off 20-lb. records.

The Wonderful Record of

King Segis Pontiac Count

Owned by ARDEN FARMS, St. Paul, Minn.

KING SEGIS PONTIAC COUNT 93909

Born December 2, 1911.

His daughters hold more world's records for both milk and butter in the regular prize divisions than the daughters of any other sire, living or dead.

His entire list of 24 A. R. O. daughters average 23.57 lbs. butter, 474.7 lbs. milk in seven days at an average of 30 months. This is a world's record average for either butter or milk, for all the two- and three-year-old daughters of any sire of the breed having anywhere near as long a list. There is no other sire approaching the same number of daughters that can equal this average for both butter and milk, **regardless of age.**

He has ten daughters (5 two-year-olds and 5 three-year-olds) that average 30.14 lbs. butter, 582.36 lbs. milk in seven days at an average age of 2 yrs. 10 mos. 26 days, and eight of the ten have 30-day records averaging 120.88 lbs. butter, 2,492.60 lbs. milk.

There is no other sire, living or dead, that can show an equal number of daughters that can equal this average for either milk or butter, for either seven or 30 days, at an average age of less than three years.

He has three junior two-year-olds above 28 lbs. No other sire has more than one.

He has five junior two-year-olds above 26 lbs. No other sire has more than three.

He has six two-year-olds with seven-day milk records above 500 lbs. and five with 30-day milk records above 2,000 lbs. No other sire can approach either of these figures.

Two of his first calf two-year-olds have milk records averaging 591 lbs. in seven days; 2,479.30 lbs. in 30 days; at an average age of 2 years 5 months. This showing can be approached by no other sire.

Four of his second calf three-year-olds average, at 3 years 4 months, 34.48 lbs. butter, 684.25 lbs. milk in seven days; 133.43 lbs. butter, 2,777.35 lbs. milk in 30 days. No other sire can approach these averages for both butter and milk for either seven or 30 days.

He has six first calf two-year-old daughters, five of the number juniors, which at an average age of 2 years 3 months can show an average production of 27.69 lbs. butter, 532.60 lbs. milk in seven days; 110.71 lbs. butter, 2,233.10 lbs. milk in 30 days. No other sire can show an equal number of first calf two-year-olds that can equal these averages for either milk or butter for either seven or 30 days.

The records of his dam and sire's dam, both former world's champions, average:

Butter 7 days	33.12
Butter 30 days	132.98
Butter 365 days	1,157.44
Milk 365 days	23,773.90

Beauty Girl Pontiac Segis—
Butter 7 days, at 3 years
Milk
Butter 280 days (still in test)
Milk

Jewel Pontiac Segis—
Butter 7 days, at 3½ years
Milk
Butter 365 days, at 2 years
Milk

Lady Hendriekje De Kol 3d—
Butter 7 days at 3 years
Milk
Butter 355 days
Milk

Lola Pontiac Segis—
Butter 7 days at 3 years
Milk

Molly Veeman Segis Pontiac—
Butter 7 days, at 28 months
Milk

Beauty Beets Walker Segis—
Butter 7 days at 32 mos.
Milk

Floa Walker Pontiac Segis—
Butter 7 days, at 3 years
Milk
Butter 279 days (still in test)
Milk

Watson Segis Pontiac—
Butter 7 days, at 3 years
Milk

Beauty Beets Segis—
Butter 7 days, at 2½ years
Milk

Johanna Bess Segis—
Butter 7 days, at 25 months
Milk

Johanna Deen Segis Pontiac—
Butter 7 days, at 28 months
Milk
Butter 323 days (still in test)
Milk

Changeling Segis—
Butter 7 days, at 26 months
Milk

Princess Veeman Segis Pontiac—
Butter 7 days, at 26 months
Milk

Netherland Johanna Pontiac Segis—
Butter 7 days, at 3 years
Milk

May Pontiac Segis—
Butter 7 days, at 3 years
Milk

Juanita Segis Pontiac—
Butter 7 days, at 2 years
Milk

Langtry Segis—
Butter 7 days, at 25 months
Milk

Chloe Hengerveld Segis Pontiac—
Butter 7 days, at 2 years
Milk

Oak De Kol Segis—
Butter 7 days, at 24 months
Milk

Piebe Bess Segis—
Butter 7 days, at 25 months
Milk

Netherland Segis Johanna Pontiac—
Butter 7 days, at 2 years
Milk

King Segis Pontiac Count now has 1 daughters that, at an average age of 2 years 10 months 26 days, average over 30 lbs. butter and 582 lbs. milk in seven days.

They are as follows:

Name	Age y.	m.	d.	Milk	Butter
Beauty Girl Pontiac Segis	3	2	7	715.50	37.1
Jewel Pontiac Segis	3	10	0	768.30	31.5
Lady Hendriekje De Kol 3d	3	4	10	593.60	32.3
Lola Pontiac Segis	3	0	19	662.20	32.6
Molly Veeman Segis Pontiac	2	4	4	582.60	30.6
Johanna Deen Segis Pontiac	2	4	5	479.90	33.0
Beauty Beets Walker Segis	2	8	10	595.50	31.0
Johanna Bess Segis	2	1	10	516.50	31.0
Beauty Beets Segis	2	11	21	468.70	31.9
Watson Segis Pontiac	3	0	29	522.60	27.6
Average age: 2 yrs. 10 mos. 26 days.					
Butter					30.1
Milk					582.6

The entire list of daughters of King Segis Pontiac Count, whose records are shown above, 21 in all, nine 3-year-olds and 12 2-year-olds, average 28.50 lbs. of butter and 500.40 lbs. of milk in 7 days.

King Segis Pontiac 44444
78 A. R. O. daughters—
K S P Ruby..... 31.07
Butter 30 days.....121.75
K S P Clorinda, 3½ yrs... 29.39
Butter 30 days.....117.15
K S P Dione..... 29.15
Butter 30 days.....115.27
Empress Pontiac Hengerveld, 3½ yrs..... 28.17
K S P Jewel, 4½ yrs..... 26.28
K S P Netherland, 3½ yrs. 24.14
Kathleen Mercedes 2d..... 23.53
K S P Polkadot, 30 mos... 23.35
K S P Triumph..... 22.55
K S P Diona, 4 yrs..... 22.23
Maggie Segis Pontiac, 4 yrs. 22.21
K S P Belle, 4½ yrs..... 22.21
K S P Veeman..... 22.03
Segis Pontiac Artis De Kol. 21.53
K S P Maia, 4 yrs..... 20.94
K S P Altoana De Kol, 27 mos. 20.70
K S P Pleione, 32 mos..... 20.54
K S P Woodland..... 20.47
Segis Pontiac Butter Girl, 3½ yrs. 20.35
K S P Edith, 4½ yrs..... 20.16
Semi-official records:
K S P Pleione, 365 days, 33 mos. 777.43
Milk 17,478.50
K S P Dione, 4½ yrs.....724.52
Milk 16,213.50
K S P Segis Rose, 319 days, 3 yrs. 515.81
Milk 10,360.10
K S P Denton, 30 mos....503.48
Milk 11,347.70
38 A. R. O. sons.
21 producing daughters.
Grandsire of:
Beauty Girl Pontiac Segis, 3 yrs. 37.15
Jewel Pontiac Segis, 3½ yrs. 35.26
Superba Maple Cove, 3 yrs.. 34.42
Lady Hendriekje De Kol 3d, 3 yrs..... 32.90
Lola Pontiac Segis, 3 yrs.. 32.60
His four nearest sires have produced 34 30-lb. daughters.
Full brother to the sire of:
Mabel Segis Korn., 4 yrs... 40.32
Butter 30 days.....165.22

K P Lilith Clothilde 110228
At 5 yrs. (third calf)—
Butter 7 days..... 29.04
Milk 496.80
Average fat 4.94
Butter 30 days.....120.65
Milk 2,348.00
Average fat 4.11
At 4 yrs. 15 days (second calf)
Butter 7 days 27.56
Milk 600.00
Butter 30 days.....113.89
Milk 2,374.50
Butter 365 days.....1,043.28
Milk 22,229.80
Average fat 3.75
(First Association prize for butter 1912-13.)
(World's milk record when made.)
Full sister to:
K P Lilith Boon.....32.22
K P Lilith Lady Clothilde, 4 yrs. 28.47
Butter 7 days at 2½ yrs.. 26.09
Butter 30 days.....101.98
Butter 365 days.....814.71
By a brother to:
Pontiac Clothilde De Kol 2d—
Butter 365 days 1,271.60
Milk 25,318.00
Pontiac Ascalon—
Butter 365 days.....1,015.65
Milk 22,827.50
Fairview Beauty Pietertje 3d, 2½ yrs—
Butter 365 days.....733.73
Milk 16,762.70
Sister to the sires or dams of:
Lady Netherland Pontiac, 4 yrs. 43.52
Albina Josie, 5 yrs..... 40.14
Elnora King Pontiac Von Hengerveld, 4½ yrs..... 34.89
Star-Rena Wayne Pietertje 2d, 3½ yrs..... 34.35
Corona Copia Johanna 2d.. 34.13
Canada Pauline Rauwerd, 3½ yrs 34.05
Locust Grove Lillian Jewel. 32.86
Van Briseis Pontiac Asiatic, 4½ yrs. 32.60

King Segis 36168
87 A. R. O. daughters—
Queen Segis Lilith..... 35.07
Hilldale Segis 33.17
Segis Beets Girl..... 32.60
Belle Segis, 4½ yrs..... 31.87
Countess Segis 31.70
Grace Segis De Kol Boon, 4½ yrs. 31.65
Segis Tehee Beets..... 31.25
Segis Pietertje Eliza, 3½ yrs. 31.06
Princess Segis 30.44
Segis Isabella 30.08
45 others from 20 to 30 lbs.
83 A. R. O. sons.
58 producing daughters.
Grandsire of:
Segis Fayne Johanna.....50.68
(Champion of the World)
Fancher Farm Maxie, 4½ yrs. 46.84
(World's champion heifer)
Mabel Segis Korn., 4 yrs.. 40.32
(World's record when made)
Butter 30 days.....165.22

Pontiac Clothilde De Kol 2d 69991
Butter 7 days, 6 yrs..... 37.21
Milk 646.10
Butter 30 days.....145.29
Milk 2,588.40
Butter 365 days.....1,271.60
Milk 25,318.00
(World's butter records when made.)
Butter 7 days, 8 yrs..... 32.39
Milk 458.80
Butter 7 days, 5 yrs..... 30.27
Milk 634.10
Butter 365 days.....811.39
Milk 17,050.40
Butter 7 days, 4 yrs..... 28.72
Milk 591.60
Butter 30 days.....113.14
Milk 2,327.70
(The first three times 30-lb. cow.)
7 30-lb. granddaughters.

King of the Pontiacs 39037
232 A. R. O. daughters—
K P Pontiac Lass..... 44.18
(The first 44-lb. cow)
Butter 30 days.....171.50
Butter 60 days.....308.81
Butter 90 days.....426.68
Butter 100 days.....465.16
(World's records when made)
K P Diona Pietertje..... 40.15
Milk 825.60
K P Mercedes Prilly, 3½ yrs. 34.25
K P Ruby Pietertje..... 33.37
K P Lilith Boon 32.22
K P Gem, 3½ yrs..... 31.82
Butter 30 days.....123.20
K P Proserpina..... 31.82
Butter 30 days.....123.20
K P Metis, 3 yrs..... 31.74
Butter 30 days.....130.59
13 others above 30 lbs.
131 others from 20 to 29.10 lbs.
Semi-official records—
K P Lady Orms., 365 da.1,066.42
Milk 23,141.20
K P Lilith Colthilde, 4 yrs. 1,043.27
Milk 22,229.80
(World's record when made)
K P Manor Kate, 32 mos. 1,023.41
(World's record for class)
Milk 22,106.40
Thirty-three of his two-year-old daughters average:
Butter 365 days, at 31 mos.762.12
Milk 16,210.90
133 A. R. O. sons.
62 producing daughters.
Grandsire of:
Lady Netherland Pontiac, 4 yrs. 43.52
Albina Josie 40.14

Lilith Clothilde Boon 78841
3 A. R. O. daughters—
K P Lilith Boon..... 32.22
Butter 7 days at 2½ yrs.. 19.55
K P Lilith Clothilde, 5 yrs. 29.04
Butter 30 days.....120.65
Butter 7 days at 4 yrs....27.56
Butter 365 days.....1,043.28
K P Lilith Lady Clothilde, 4 yrs. 28.47
Butter 7 days, at 2½ yrs. 26.09

Mercedes Julip's Pietertje's Paul 29830
89 A. R. O. daughters—
Star Farm Belle Mercedes.. 38.36
Butter 30 days.....153.59
Oatka Julip 30.05
Mercedes De Kol Burke Cornelia, 4 yrs..... 27.38
Mercedes May Lilu Ononis, 4 yrs. 27.18
Beauty of Nannette 2d's Mercedes 26.73
35 A. R. O. sons.
14 30-lb. granddaughters.

A & G Inka McKinley 55163
Butter 7 days, 9 yrs..... 29.62
Milk 661.10
Butter 30 days, 6 yrs.....118.27
Milk 2,685.00
Butter 30 days, 3 yrs..... 95.48
(World's record when made)
4 A. R. O. sons.
4 producing daughters.

Pontiac Korndyke 25982
144 A. R. O. daughters—
Pontiac Lady Korndyke.... 38.03
Butter 30 days.....156.93
Pontiac Pet 37.68
Pearl Netherland Korndyke.37.52
Pontiac Clothilde De Kol 2d 37.21
Butter 30 days.....145.29
Butter 365 days.....1,271.60
Sadie Vale Korndyke.....36.20
Pontiac Korndyke Maid... 33.76
Fairview Korndyke Boon, 4 yrs. 32.17
8 others above 30 lbs.
68 others from 20 to 29 lbs.
97 A. R. O. sons.
80 producing daughters.

Pontiac Clothilde De Kol 49657
Butter 7 days.....23.11
Milk 409.40
Butter 30 days.....90.57
Milk 1,998.60
2 A. R. O. daughters—
Pontiac Clothilde De Kol 2d 37.21
Butter 30 days.....145.29
Butter 365 days.....1,271.60
Pontiac Rag Apple, 4 yrs.. 31.62
Butter 30 days.....126.56

Pontiac Korndyke 25982
144 A. R. O. daughters—
Pontiac Lady Korndyke... 38.03
Butter 30 days.....156.93
Pontiac Pet 37.68
Pearl Netherland Korndyke 37.52
Pontiac Clothilde De Kol 2d 37.21
Butter 30 days.....145.29
Butter 365 days.....1,271.60
Sadie Vale Korndyke..... 36.20
Pontiac Korndyke Maid... 33.76
Fairview Korndyke Boon, 4 yrs. 32.17
97 A. R. O. sons.
Grandsire of:
K P Pontiac Lass.....44.18
2 others above 40 lbs.

Pontiac Lunde Hengerveld 51585
Butter 7 days..... 28.41
Milk 559.80
Butter 14 days..... 55.35
Milk 1,121.50
Butter 30 days.....114.82
Milk 2,405.20
One A. R. O. son.
Two 40-lb. granddaughters.

Lilith Pauline De Kol's Count 28430
94 A. R. O. daughters—
Lilith Altoana De Kol, 3½ yrs. 33.61
(World's record when made)
Milk 593.40
Lilith Lady Countess..... 32.76
Milk 541.00
Lilith Queen Pauline, 5 yrs. 32.47
Butter 365 days, at 6 yrs. 1,077.21
De Kol Boon Lilith..... 30.22
Lilith Canary Hartog..... 29.12
Lilith Altoana 28.99
Yanko Boon 2d's Countess. 28.60
Lilith Pauline Countess Carlotta 27.08
34 others above 20 lbs.
55 A. R. O. sons.

Clothilde Pietertje Boon 61391
One A. R. O. daughter.
One producing daughter, who is dam of: K. P. Lilith Boon, 32.22.
2 others above 28 lbs.

Johanna Rue 2d's Paul De Kol 21724
33 A. R. O. daughters—
Johanna Mercedes 27.97
Inka Clothilde 2d..... 25.51
11 others from 20 to 24 lbs.
14 A. R. O. sons.
32 producing daughters.

Mercedes Julip's Pietertje 39480
Butter 7 days..... 29.36
(World's record when made)
Milk 584.00
4 A. R. O. sons.

Billy McKinley 23378
5 A. R. O. daughters—
A & G Inka McKinley.... 29.62
Butter 30 days.....118.27
Veeman Koningen 3d..... 23.14
One A. R. O. son.

Segis Inka 36617
Butter 7 days..... 28.64
(First Association prize, 1903-1904.)
Butter 30 days.....104.48
5 A. R. O. daughters—
2 A. R. O. sons.
4 producing daughters.

Manor Josephine De Kol 22779
6 A. R. O. daughters—
Manor Star's Josephine, 3½ yrs. 20.90
Susie Josephine, 3½ yrs....20.72
5 A. R. O. sons.
4 producing daughters.
13 30-lb. granddaughters.

Belle Korndyke 13913
Butter 7 days at 10 yrs... 25.77
Milk 509.80
(First Association prize, 1898)
4 A. R. O. daughters.
4 from 20 to 25 lbs.
6 A. R. O. sons.
14 30-lb. granddaughters.

Hengerveld De Kol 23102
116 A. R. O. daughters—
Princess Heng. De Kol... 33.62
8 others above 30 lbs.
68 others above 20 lbs.
65 A. R. O. sons.
84 producing daughters.

Rag Apple Clothilde Artis 34741
Butter 7 days, 25 mos..... 12.53
Milk 291.10
3 A. R. O. daughters.
1 A. R. O. son.
7 30-lb. granddaughters.

Manor Josephine De Kol 22779
6 A. R. O. daughters—
Manor Star's Josephine, 3½ yrs. 20.90
Susie Josephine, 3½ yrs....20.72
13 30-lb. granddaughters.

Belle Korndyke 13913
Butter 7 days at 10 yrs... 25.77
Milk 509.80
4 A. R. O. daughters.
6 A. R. O. sons.
5 producing daughters.

Hengerveld De Kol 23102
116 A. R. O. daughters—
Princess Heng. De Kol... 33.62
8 others above 30 lbs.
65 A. R. O. sons.
84 producing daughters.

Lunde Beauty 34745
Butter 7 days, 23 mos.... 11.84
5 A. R. O. daughters.
4 producing daughters.

Pauline Paul 2d's Count 22909
20 A. R. O. daughters—
16 A. R. O. sons.
16 producing daughters.

Lilith Pauline De Kol 43434
Butter 7 days, 4 yrs.....28.24
(World's record for 7 years)
Milk 653.40

Lamb De Kol Pietertje Boon 27349
Sire of—
Grindetia De Kol Boon, 24 mos. 9.69
Milk 285.70
4 producing daughters.

Maggie Lamb 39025
Sister to—
Gwen 21.52
(Thirteenth Association prize, 1902-03.)

Finderne Stock Farms

FINDERNE, NEW JERSEY

King Valdessa 137495

Born May 12, 1914. Records of dam and sire's dam, 7 days, butter, 43.03 lbs.; 30 days, 167.90 lbs. Higher average than any other bull in the world.

His Sire: Spring Farm Pontiac Cornucopia, son of K. P. Pontiac Lass, the first cow to make 44 lbs. of butter in 7 days, holding at that time all the world's records from 1 to 100 days in the mature class, she being the daughter of King of the Pontiacs, and his dam, Valdessa Scott 2d, the first cow in the world to make over 40 lbs. of butter, making 41.88 lbs. of butter and 694 lbs. of milk in seven days, and 164.26 lbs. of butter and 2,933.90 lbs. of milk in 30 days, both being world's records when made. This record was made at 8 years 2 months. At 10 years she came back with 37.99 lbs. of butter and 611.40 lbs. of milk in seven days, and 142.49 lbs. butter and 2,475.70 lbs. of milk in 30 days; world's record for age.

Valdessa Scott 2d has five A. R. O. daughters: Valdessa Ormsby De Kol, with a record of 560.6 lbs. milk, 38.143 lbs. butter; Finderne Valdessa Pontiac, milk 594.3 lbs., butter 33.237 lbs.; Valdessa Ormsby, butter 24.28 lbs.; Valdessa Clarkhurst Pietertje, butter 21.56 lbs.; Finderne Valdessa Korndyke, butter 19.16 lbs.

A few of his sons on hand, and service for a few well bred cows may be secured at reasonable prices. Apply

BERNHARD MEYER, Owner - Finderne, N. J.

FOR SALE

One Black Percheron Stud Colt coming three years old—fit for service. A beauty at a bargain. Also one pair of black mares matched.

Three yearlings—Registered Holsteins—and two bull calves from A. R. O. cows.

E. J. BUYEA, ONEIDA, N. Y.

Every Mail Brings More Orders

PEDIGREES

4-gen., 2-color, on letter size blank, for 50c

OTHER PRICES ON APPLICATION

WESTERN HOLSTEIN PEDIGREE CO.
ARLINGTON, IOWA

30.27 Pounds Butter is the Average for the Two Nearest Dams of a Bull Calf, Born January 1918

Price $250. Also three others, from 20-, 21- and 22-lb. first-calf two-year-olds, at $150 to $200. Sire of calves from a 31-lb. daughter of Daisy Grace De Kol, 32.50 lbs. Send for circular, photos and pedigrees. Guaranteed to please.

PRAIRIEDALE FARM DIXON, ILL.

PONTIAC KORNDYKE +

EVERY one wants all the blood of Pontiac Korndyke they can get, since his daughter is now the second highest record cow in the world. I can sell you a youngster born in March 1917, that goes twice to Pontiac Korndyke.

His sire, with a number of promising daughters, is a 29-lb. son of King of the Pontiacs—the only sire in the world with two 40-lb. daughters and two 40-lb. granddaughters.

The dam of the calf is one of the best 30-lb. prospects in the herd. As a baby—2 years 2 months—she made 20.89 lbs. butter testing 4.34 per cent fat. Her dam is a 27-lb. cow that made over 109 lbs. in 30 days and has 4 A. R. O. daughters—two above 24 lbs. The third dam is also an A. R. O. cow. Lady Perfection Korndyke—with 40.25 lbs. butter in 7 days and 1,046 lbs. in a year and the only cow to perform that feat—is a sister to the dam of the calf. They are both by a FULL brother in blood to King of the Pontiacs. Remember he goes twice to Pontiac Korndyke and that his dam has a 40-lb. sister and three 30-lb. sisters.

The calf is right—the price is right—I want to sell him.

LEVELACRES HERD (FARM AT CASSVILLE) **LINN KINNE UTICA, N. Y.**

FIRST COW TO BE OFFICIALLY TESTED FOR A YEAR.

Breeders will readily recall Milanhurst America De Kol as the first cow of the breed to be officially tested for a year, during which time she made 1,231.35 pounds of butter from 26,433.4 pounds of milk after having completed a seven-day record of 34.08 pounds of butter from 651.10 pounds of milk and a 30-day record of 125.6

Milanhurst America De Kol, the first cow whose yearly records were made under strictly official supervision.

pounds of butter from 2,533.3 pounds of milk. Nine months after calving she made 28.52 pounds of butter from over 500 pounds of milk. Eight of her records, at time of making, had been unequaled by any other cow. Her son by the great sire, Korndyke Abbekerk, is siring some wonderfully fine heifers, several of which are in the Pine Grove herd. With the current issue there are being advertised several granddaughters of this famous cow.

NEW CONNECTICUT STATE RECORD.

The Holstein state record for butter in the seven-day period has been broken for the first time in three years. The cow, Spring Lawn Queen Pontiac, owned by Staub & Clark of New Milford, during the last week in January, produced 607 pounds of milk containing 27.173 pounds of fat. By the Holstein standard, this is equivalent to 33.97 pounds of butter, which is a good pound and a half more than the record established by Flamboro Witzyde De Kol, in 1915, while owned by Charles Disbrow of Norwalk, Conn. There might have been some chance of this cow improving on her record, if it had not occurred that it was necessary to put the whole test through in a very limited length of time, as Mr. Clark had the cow entered in the Brattleboro sale. She finished and was shipped on the following day, at which place she sold for $1,650. She came back to Connecticut, to the Stoddard Brothers, where C. M. Sharp is superintendent. The work of verification was conducted by a present representative of the Department of Dairy Husbandry.

Mr. Clark is also present owner of the former state record holder, Flamboro Witzyde De Kol, that has a record of 32.42 pounds in seven days.

A number of the cows in the state have approached the 32-pound mark in the last two years, but none have been able to get beyond the coveted production until now Spring Lawn Queen Pontiac has come along with her record.—Department of Dairy Husbandry.

Three Bulls to Sell

They will be ready for service this spring, are well grown, good individuals, and carry Pontiac Korndyke, Admiral Walker Pietertje, or Colantha Johanna Lad breeding. They are sired by King Quality.

DID YOU KNOW

that King Quality has a 30-lb. daughter, under full age, too? He has two other daughters now on test and they both have over 28 lbs. now and are gaining.

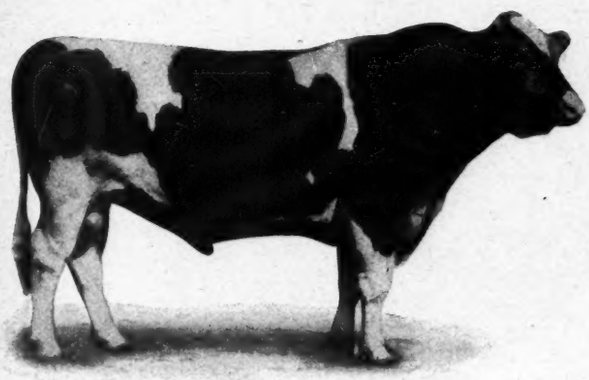
The dams of these bulls have records of 22.30, 25.65 and 27.84 lbs. of butter in 7 days. They are bulls which will be worth a lot in your herd, and you cannot afford to be without one of them at the prices we are asking.

Write us for charts and photos.

BONALEVO FARMS

R. E. Chapin & Son **Box 302** **Batavia, N. Y.**

Who Can Beat It? *World's Record Breeding*



BROOKINGS CORNUCOPIA 71138

This great bull was Grand Champion of the S. D. State Fair for 1915. He has 11 A. R. O. daughters. His dam, College Belle Wayne, has a 7-day record of 35.27 lbs. of butter from 834.3 lbs. of milk; 145.68 lbs. of butter from 3,338.1 lbs. of milk in 30 days (world's record for combined butter and milk when made). I have his sons and daughters that I am offering for sale. My herd consists of 80 head; 30 A. R. O. cows and the balance younger. I must reduce the size of my herd. Most of the dams of the youngsters I am offering are daughters of Sir Allie Nig Rue 50460 and from good A. R. O. breeding, and have A. R. O. records up to 31½ lbs. in 7 days as a junior 4-year-old.

Sir Allie Nig Rue Combines:

37½ per cent of the blood of Tilly Alcartra who held the world's yearly milk record of 30.452 lbs. of milk in a year;

25 per cent of the blood of Finderne Pride Johanna Rue who held the World's yearly butter record of 1,470 lbs. of butter in a year;

37½ per cent of the blood of Segis Fayne Johanna who holds the present world's record for 7 days of over 50 lbs. of butter.

MY STOCK IS THE LARGE TYPE
WHO CAN BEAT IT?

Write or come and see what I have for sale.

DAKOTA FARM

P. A. Zollman, Proprietor **MITCHELL, S. D.**

SOME SHERBURNE RECORDS.

The following A. R. O. records have recently been completed at Westside Stock Farm.

Westside Ladoga Snip has made, with first calf, 26.50 pounds of butter, and has nearly finished a good 30-day record. She was sired by a 25-pound son of Korndyke Pontiac Pet, and her dam is a 27.6-pound junior four-year-old.

Idaline Hengerveld made 25.13 pounds of butter from 521.8 pounds of milk. She is a daughter of King Burke Hengerveld, a former Westside herd sire, that has eleven daughters with records from 25 pounds to 30.6 pounds.

Westside Zuba Queen made, at 25 months of age, 27.27 pounds of butter from 417.4 pounds of milk. This record gives her eleventh place in the junior two-year-old class, fifth place among heifers twenty-five months old or less, and second place among junior two-year-old granddaughters of King of the Pontiacs. She is a daughter of the Howard & Co. herd bull, King Pontiac Hilldale, a 29.9-pound son of King of the Pontiacs. Her dam is Westside Zuba Segis, 19.69 pounds at two and one-half years, a heifer that is full sister in blood to Westside Zuba Veeman 2d, 29.79 pounds at three years, was from the same dam as a 29.66-pound cow, and was sired by King Burke Hengerveld, mentioned above.

"HE" No. 3

Is a Holstein bull with wonderful breeding, for $250

and would suit anybody. One-half white, one year old, straight, very large, very fine individual and very cheap.

"He's" sire is a young son of Friend Hengerveld De Kol Butter Boy, with six A. R. O. daughters. We have just finished 30-day test for three. You should see what they did.

"He's" sire's dam is a 30-1,200-lb. daughter of Pontiac Aaggie Korndyke. Her dam is a 30-1,088-lb. daughter of Friend Hengerveld De Kol Butter Boy.

"He's" dam is a young cow of our raising. Made in 7 days, at 4 years, 529.2 lbs. milk, 28.05 lbs. butter. She will make better than 30 lbs. She is a granddaughter of Hengerveld De Kol. She has five A. R. O. sisters.

"He's" guaranteed in every way.

We have several more bulls from same sire with A. R. O. dams. One 26.79-lb. great granddaughter of Hengerveld De Kol.

Long Beach Farm Augusta Michigan

N. B.—Our herd is under state and federal supervision. Our booklet is free.

Next Week

The Six 30,000-lb. Cows

King Segis or Pontiac Korndyke

(What, again?)

A whole lot of breeders' news—always interesting.
Report of New York Club's Annual Meeting.
More Advertising Service.

Do all your friends get the World? Write us for a special proposition if you want them to have it.

Waterloo, Iowa. Syracuse, N. Y. THE WORLD Two Offices Get the News.

PREPAREDNESS HERE.

A quarter of a hundred daughters of King Johanna Segis Fayne have recently found their way to Walnutcrest Farms owned by A. W. Green and better known as the home of King Champion Rag Apple, the $20,000 bull.

As is generally understood, Mr. Green contemplates holding a sale on his farm June 27th next and these splendidly bred, high class A. R. O. cows, bred and raised at Kingwood Farms, have been purchased to place in this sale and make it appeal strongly to those desirous of securing the very best. King Johanna Segis Fayne is a three-quarters brother to the only 50-pound cow in the world and is himself a sire of rare excellence. No less than 41 of his daughters have gone into the advanced registry with most creditable records, one of them now owned by Mr. Green making better than 34 pounds. His dam, with a record of better than 1,100 pounds of butter in a year, is a sister to the ex-champion Finderne Pride Johanna Rue and his sire is King Fayne Segis, the only son of King Segis and Grace Fayne 2d's Homestead, likewise a former champion.

We understand that many of these animals will be in calf to King Champion Rag Apple, a son of the great Rag Apple Korndyke 8th and Lady Pontiac Johanna, whose 41.8-pound senior three-year-old record has stood championship in its class for nearly two years, then to be dethroned only by a sister to King Champion himself.

The Walnutcrest sale will comprise more than one hundred animals, fifty of which have made A. R. O. records and twenty-five of them will be first calf heifers. It is evident that no expense is being spared to make the forthcoming offering such as will appeal to the very best class of breeders and Mr. Green is to be congratulated upon his recent accomplishment.

AN ADMIRAL WALKER PIETERTJE RECORD.

We are pleased to advise that Bonalevo Walker Paul De Kol has just crossed the 30-pound mark, her exact record being 30.097 pounds of butter and 514.2 pounds of milk. She freshened at the age of 5 years 2 months 27 days and is a daughter of Admiral Walker Pietertje, making his fourth 30-pound daughter.—R. E. Chapin & Son, New York.

POSITION WANTED

As manager or superintendent for large first class Holstein herd or with some one wishing to start a first class breeding establishment—by a first class man, married, 31 years old and experienced in every branch of the business. Four years in present position as manager of one of the largest herds in the country. Have made seventeen records above 30 lbs. as well as several of the largest year records. Open for engagement May 1st.

Box K · HOLSTEIN-FRIESIAN WORLD Syracuse, N.Y.

A Symbol of Service

"It means just that"

OUR SPECIALTY
is getting work out on time

If you decide to hold a sale and must have your catalog on short notice, write or wire us stating number of animals you wish cataloged and the date of the sale. If, for any reason, we cannot get them out on time, we will tell you so. That's Service.

If you want some special four-generation, or any size, pedigrees within a specified time, give us the data and if we cannot get them to you we will tell you so. That's Service.

If you place an order in our hands and it is promised for a special time, we will get it to you for the occasion. That's Service.

OUR PEDIGREES

Our pedigrees are compiled by experts in their line and derive their information from more than 275,000 filed cards showing every record of every animal accepted to the Advanced Registry.

STANDARD FOUR GENERATION
(14 Ancestors)

Typewritten in two colors on sheets 13x15½ inches. Original and two carbon copies. All records up to date.

Price, $1.50

FIVE GENERATION

Typewritten in two colors on sheets 13x19. Original and two carbon copies, $2.00. Printed in lots of 100, $7.00. Extra copies of the same chart at 50 cents per hundred.

FOUR GENERATION PRINTED

Printed pedigrees contain the same data as the typewritten work. Size of sheet 8½x11 inches. They are supplied in lots of 100, with additional charge of 25 cents for each extra hundred.

Price First Hundred, $4.50

SIX GENERATION

Typewritten in two colors on sheets 18½x26, original and one carbon copy, $4.00. Printed in lots of 100, $10.00, with extra charge of $1.00 for each additional 100 pedigrees.

Herd Registers

Our most popular form Handy Herd Register pedigrees are typewritten in two colors on sheets 8½x11 inches, round cornered and punched to fit our Handy Herd Register cover. Original and three carbon copies at $1.00 per animal. These are also furnished on linen stock (it never wears out) with original only at $1.00. On the first order for twenty or more Handy Herd Register pedigrees we will furnish free of charge one cover. This is a McMillan 7-ring flexible cover made from best quality black seal-grained cow hide. The retail price of cover is $5.40.

SALE CATALOGS

At this time of the year a large part of our work is getting out sale catalogs. Our standard catalogs are printed on good quality white enamel paper 6x9 inches, showing four generation pedigrees with all records up to date. We furnish 500 catalogs at $3.00 per printed page. Extra hundreds at 12½ cents per page. Catalog covers are printed on good grade cover stock at 1½ cents per book. Catalogs are printed in Urbana, Ohio, our prices f. o. b. Urbana. Unless otherwise instructed we ship sale catalogs by parcel post special delivery. Shipments by express are in some cases a little cheaper but we have found parcel post deliveries to be much more prompt and reliable.

We will Clerk, Advertise and Manage Your Sale on Commission if Desired

Liverpool Sale & Pedigree Co. Liverpool, N. Y.

HEAD YOUR HERD WITH A SON OF
KING KORNDYKE VEEMAN

The Bull who combines 40-lb. breeding, individuality and size

His two nearest dams average over 37 lbs. butter in seven days. He has a 34-lb. three-year-old full sister, a 40-lb. three-year-old and a 29-lb. two-year-old sister. He is sired by the great King Korndyke Sadie Vale, who has a 41-lb. dam, a 40-lb. three-year-old daughter and a 40-lb. four-year-old sister.

His dam is a 33-lb. daughter of Sir Veeman Hengerveld and has a 34-lb. three-year-old and a 32-lb. daughter. We offer sons of this great bull and out of large record cows. Write us for extended pedigrees and full particulars.

WISCONSIN STAR STOCK FARMS **Edwin M. Schultz, Hartford, Wisconsin**

$100 BUYS A PAIR of HOLSTEINS

Bull calf by Sir Korndyke Pontiac Artis, son of the famous Pontiac Artis, 31.71 lbs. in seven days and 1,076 lbs. in a year, and out of a 17-lb. dam. Heifer calf whose sire is a grandson of King Segis Pontiac Alcartra.

Henry K. Jarvis Weedsport, N. Y.

An ad in The Holstein-Friesian World is an invitation for business to come your way.

TRAINING WOMEN FOR DAIRYING.

This war is not without its romantic and unique aspects, for every day some new patriotic endeavor results in bringing to the attention of the public possibilities for service that have never before been dreamed of. Certainly this fact has been demonstrated in a remarkable way by the Agricultural Department of Purdue University, which is going to establish a course in dairying for women, April 8th to May 4th, a course which will virtually revolutionize the dairy industry and which will bring women into active participation in an entirely new industry.

That food will win the war is unquestionable. That food can only be produced by the most determined effort of every man, woman and child in the United States is indisputable. But, as the men are at the front fighting for Democracy the women at home must do the work of the absent men In the past it has been customary for men to regulate and develop all activities having to do with the dairy industry. Now, if this course in dairying for women proves successful, it will not be an unusual thing to see everywhere patriotic women acting as cream station operators, milk and cream testers, ice cream and cheesemakers. It has been found that women scientifically trained are well able to cope with the difficulties of this highly important profession and, in an effort to establish this fact, and, at the same time, to aid in food production, Purdue offers this unique course.

The course will be administered in the same manner that are other university courses and is open to all women in the United States who are interested in the subject. The dairy industry offers a double opportunity for patriotic service and considerable financial returns. Information on this course in dairying for women may be secured from the department of dairy husbandry, Purdue University, Lafayette, Ind.

20 lbs. at 2 years NORTH STAR HERD OFFERS *Two Bull Calves* **21 lbs. at 2 years**

Their dams have made 20 lbs. and 21 lbs. as two-year-olds and are sure 30-pound prospects. These calves are good enough to head splendid herds. They are fine individuals and well grown. Write us at once about them.

W. S. MOSCRIP Lake Elmo, Minn.

SALE CATALOGS

With one of the greatest printers of sale catalogs at our service—and an up-to-date record filing system—we are in a position to guarantee you a sale catalog equal in quality to that of any other pedigree company at a price of only $2.50 per page. Write for a sample of our sale catalogs.

LET US MANAGE YOUR NEXT SALE

PEDIGREES

We fill our pedigrees with up-to-the-minute information about the animal in question—we bring out vividly all strong points concerning the animal—when your prospective customer gets the pedigree he is bound to buy.

Try us—the greatest breeders have—and are still with us.

PEDIGREES

Four-generation, 3 copies 75c
Five-generation, 2 copies $1.25
Loose-leaf, 3 copies 50c

Backus Bros. Pedigree Co.
Mexico, N. Y.

The Greatest Calf Feed Ever Put on Sale
STEVENS CALF MEAL

It is a feed prepared after years of experimental feeding in the **great Stevens herds.** It is right because it was tried out and the formula prepared by practical feeders. Those who use it would use no other—ask the man who has tried it—there are hundreds of them and if you'll ask us we will tell you of one in your own locality, or, better yet, "be from Missouri" and try it for yourself.

IMPORTANT

Because of the great increase in the cost of the materials composing this feed we must withdraw our offer to prepay freight on this feed. The price is $75 per ton. Compare this price with similar products of inferior feeding merit.

STEVENS MILLING AND FEED CO. **Lacona, New York**

It's Yours FREE

Here is a book every Dairy Cattle Breeder or Cow Owner should have—Get your FREE copy

Nearly 100,000 breeders and cow owners read this book. Over 150,000 dairy farmers subscribe to Kimball's Dairy Farmer

Van Pelt's Cow Demonstration Book Goes to YOU with Our Compliments Along with Your Yearly Subscription to Kimball's Dairy Farmer. Get It Now.

Here is a book without price. You cannot buy it. But we will give you a copy FREE along with your subscription to Kimball's Dairy Farmer. Then after you have received the book and read a few issues of the paper, if you are not satisfied that you have got your money's worth and more, just say so and back goes your dollar. We take all the chances—you take none. That's fair enough, isn't it?

Every owner and breeder of dairy cattle knows who Van Pelt is—you have no doubt heard him lecture or seen him in the show judging ring. He is known from one end of the country to the other. He is the country's recognized authority on dairy cattle. He has addressed more people on dairy cattle breeding, feeding and judging in the past six years than any other man in America. He is considered by many the leading dairy cattle judge of the world.

Now he has boiled down all his years of experience, and his knowledge of dairy cattle in the most condensed form possible for your benefit. This book is his life work on dairy cattle judging put in picture and print. It is written in such simple and plain language that a child can understand it. It is a revelation to the old cattle man and a guide to the beginner.

Here is what others say about Van Pelt's Cow Demonstration Book—

With some good words for Kimball's Dairy Farmer thrown in. Just a drop in the bucket—being only a few of the many thousands of letters of praise we have received. Not a single complaint.

G. S. Lewis, Addy, Wash.—I have read Van Pelt's book. It is the greatest book of its kind that I have ever seen. It is so plain and yet so far-reaching that anyone will be benefited by reading it. I would like to say that I consider Kimball's Dairy Farmer a leader among the leaders.

A. R. Miller, Peekskill, N. Y.—Would say I have received a copy of your fine book, Van Pelt's Cow Demonstration, and after carefully studying it will say I believe it fills a place that no other book of its kind ever did. Prof. Van Pelt's book should be in the hands of every person who has any interest in the dairy cow.

W. N. White, Waterloo, Wis.—Received Van Pelt's Cow Demonstration book some time ago and must say that you have got a mass of information jammed into a small book. It certainly is a great book.

Dr. W. D. Jones, Devils Lake, N. D.—I have read your Cow Demonstration and am very highly pleased with it. There is nothing that I know of that surpasses or equals it.

A. R. Nichols, 342 S. Wyoming St., Butte, Mont.—Van Pelt's Cow Demonstration has been received and carefully read. It is one of the most valuable books I have ever read. It is thoroughly scientific, written by a master hand. I consider it invaluable to anyone interested in the dairy subject.

Alfred W. Place, Mgr. Broadacres Farm, Dorset, Ohio—Your book on Cow Judging which I received as a premium with your valued paper has the best information in a small space that has come to my notice.

Geo. G. Davis, Chattaroy, Wash.—I received Van Pelt's Cow Judging Book some time ago and learned more about cows in one hour than I could have learned by practical experience in ten years.

Jas. A. Gandy, Jamestown, N. Y.—Van Pelt's Cow Demonstration book received and believe it to be one of the best books of its kind published. With the illustrations pointing out the important points of the cow and each point so plainly explained makes it a most interesting book, and any person owning a single cow should not be without it.

The "Know How" In This Great Book Pays You Back Your Money Ten Fold—

The Van Pelt "Know How" in this great book will help you in your breeding efforts to improve your dairy herd. It will help you in selecting a good sire. It will help you to know at a glance a good dairy cow when you see one. It will save YOU and make YOU a lot of money when you go into the market to buy. It will help you to know what is a fair value to place on your dairy cattle. It will do all this and more too—because it contains the "know how." Can you place a money value on a book of this character? We can't! That's why we have never put a price on it but preferred to give it FREE to our thousands of readers.

When E. LeRoy Pelletier, a business man of Detroit interested in dairy cattle, went into the market three years ago to buy some dairy cattle for his Michigan farm, about all he had to back his judgment was the Van Pelt "know how" gained from a study of this book. He paid $625 for a Holstein cow, Wandermeere Belle Hengerveld. He sold this same animal June 8, 1917, for $18,300—the highest price ever paid for a dairy cow of any breed. That's what we call cashing in on the Van Pelt "know how" with interest. Can you beat it?

One of the 40 Illustrations in the Van Pelt Cow Book

As a Breeder and Owner of Dairy Cattle This Book Has a Distinctive Value for YOU.

Don't take our word for it—if you don't want to. I. Harry Miller of Bernville, Pa., says, "I use Van Pelt's Cow Book for the greatest part in getting my herd together." S. E. Stinson, Cedardale, Okla., says, "It has done me lots of good in KNOWING HOW to judge good dairy cattle." G. T. Rehage of Ocean Springs, Miss., says, "Have been comparing some of my cows with it and find it very good to go by." S. E. Watts of Taylors, S. C., says, "It will help any owner of cows who considers its contents. I regret not being in possession of it long ago as I would have found it exceedingly serviceable." J. J. Spicer, Blackfoot, Idaho, says, "It is simply wonderful and the information is worth many, many dollars to me. I value it very highly and keep it under lock and key." Laurence Sigler of Norris City, Ill., says, "I think your Cow Demonstration book is worth $100 to any man who keeps cows." G. B. Farnsworth, St. James, Mo., says, "NO MAN KEEPING COWS SHOULD BE WITHOUT IT."

Van Pelt not only tells and illustrates the five essentials of a productive cow but shows the importance of the "Head of the Herd."

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Just fill in and mail the coupon or write us a letter—pin a one-dollar bill, your check or money order to it and send today. We will enter your subscription to Kimball's Dairy Farmer—for one year—24 issues—over 1,000 pages—and send you the Cow Book postpaid with our compliments.

Accept this liberal offer now. Do it entirely at our risk. Start your dairying efforts on the road to bigger profits with Kimball's Dairy Farmer and the Van Pelt Cow Demonstration book to aid you. Yours for putting Uncle Sam's Billion Dollar Dairy Industry into the Two Billion Dollar Trench,

Kimball's Dairy Farmer

Waterloo, Iowa Columbus, Ohio

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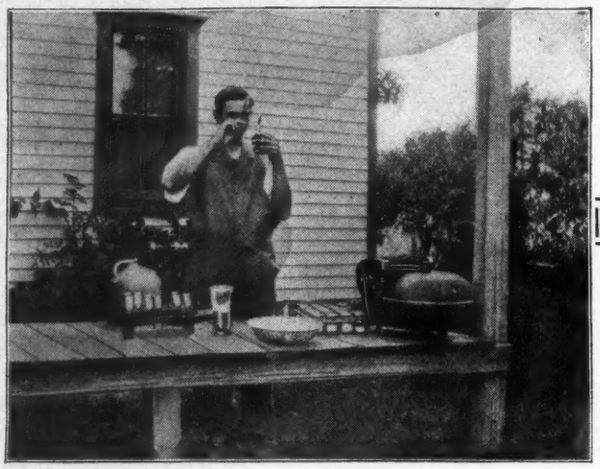

Detective Work That Pays

This Man is After the Cow that Yields a Profit

In this day of high-priced feed you have to know for sure that every one of your cows is earning money for you. And if you want to know the exact worth to you of each and every cow, get

THE C. P. BABCOCK TESTER $9

THIS STYLE ONLY

complete with six bottles. Eight bottles, $10—10 bottles, $12—12 bottles, $14. Or we can furnish a small uncovered 4-bottle tester complete with glassware for $5.25.

The test is not hard to make. It is simple and easy to understand. Just follow the full instructions which accompany each tester and you will get an accurate test every time.

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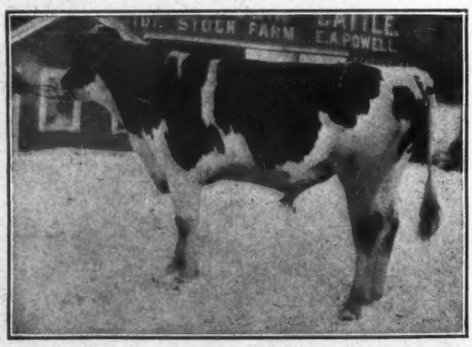

King Glista Model Segis 218072

Born November 22, 1916

Best lines of breeding—King Segis Glista, Model, Ormsby and Pietje 22d families, insuring highest individuality, largest average production and over 4 per cent butterfat. Every dam in first four generations, including 2-year dam with 21.89 lbs, one at 10 years, one at 13 years, average for the seven 28.52 lbs., average fat 4.21 per cent. Extended farther, 10 dams average over 30 lbs. The strongest combination of all the most essential qualities of a great sire. Price reasonable.

E. A. POWELL, 904 W. Genesee St., SYRACUSE, N. Y.

A GREAT TORONTO SALE.

Canada is noted for many things Holstein. When we think of Canada we just naturally think of May Echo Sylvia, and also of that 29,000-pound cow, Rauwerd Count De Kol Lady Pauline. We think of them because they are two of Canada's best and now when we think of the forthcoming great sale, we find these two animals prominently represented.

Forced by the sale of his place to dispose of his animals, G. A. Brethen of Norwood, Ont., is going to offer them in a public sale at Toronto on Thursday, March 28th. As famous and widely known as is this herd it should attract attention in itself; however, to make the sale a still better one Mr. Brethen induced A. C. Hardy and J. W. Stewart to join him with some of their best. Consequently we find an aggregation of cattle such as was never before offered in the Dominion.

Just think! Six sons of 30-pound cows, three 30-pound cows, two above 34 pounds, four sons of 20,000-pound cows, two 20,000-pound heifers, each a champion in a class when made, and 30 or more daughters and granddaughters of 30-pound cows. And now just one little lady—the only one of her kind—a daughter of a 29,000-pound cow sired by Champion Echo Sylvia Pontiac, the greatest son of May Echo Sylvia. Her three-year dam's average over 38 pounds in seven days and 155 pounds in 30 days. A real gem.

Mr. Stewart has been induced to offer his beautiful son of Rag Apple Korndyke 8th, from a 24-pound dam with a 31-pound daughter. Mr. Stewart also consigns a son and daughter of the 31-pound cow that has produced better than 110 pounds of milk in a day.

Avondale is represented by more than a dozen daughters of their great sires, Prince Hengerveld Pietje, King Pontiac Artis Canada, and Woodcrest Sir Clyde, nearly all of these being safely in calf to Champion Echo Sylvia Pontiac. There is also to be a son of this last mentioned sire from one of the great Avondale cows.

This sale is most unique in that it combines individuality with short- and long-time work. It contains more high record cows than were ever offered in any sale in Canada. It also contains the get of more high record yearly animals than were ever offered in Canada. Furthermore it contains three sons and two daughters of a 30.47-pound cow that has produced in excess of 29,000 pounds of milk in a year, which offering has never been duplicated in any other sale in the world.

Mr. Brethen advises that shipping facilities in the Union Stock Yards in Toronto are most excellent and these splendidly bred Holsteins are being moved to this point in order to give the buyers the advantage of this service.

It behooves the American breeders to attend a sale of this kind, for the interests are mutual. To use Mr. Brethen's own words, "When breeding, individuality and production meet there should be something doing." And we dare say there will be.

The World is your trade paper. Make it your medium for telling others what you are doing. Send in your suggestions and opinions.

A NEW 30-POUND COW IN THE SPRING FARM HERD.

Spring Farm Lass Pontiac, a daughter of Spring Farm King Pontiac and Tweede De Kol Lass, therefore a full sister to Spring Farm King Pontiac 6th, has just finished a record of 30.60 pounds butter in seven days from 525.7 pounds milk and 124.31 pounds butter from 2,230 pounds of milk in 30 days. This heifer is a maternal sister to the first 44-pound cow, K. P. Pontiac Lass, and her 30-day record in combination with that of her dam and sister, average 141.58 pounds, which is unequaled by any other such combination.

Spring Farm Lass Pontiac is looked upon as one of the very best cows in the Spring Farm herd and is considered a sure candidate for 40 pounds at another freshening. On three milkings a day she is now giving in excess of 80 pounds which is a fair showing for a senior four-year-old.

Some cows fool people "all the time" but they are usually not the kind that "have papers."

FARMERS NOT A POISON
POWERFUL **DISINFECTANT**

FOR CONTAGIOUS ABORTION
Most valuable in controlling abortion, bringing after-birth and treating barren cows. B-K kills the infecting germs, heals the uterus, removes the slime and acid—no odor—no straining. More effective than lysol, Lugol's solution, carbolic and cresols—much safer. Send for our Bulletin 52, "Contagious Abortion," and testimony from leading breeders. For sale at your druggists.
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10—Choice Young Bulls for Sale—10

Most of them ready for service. Below is the pedigree of one of these youngsters. He is light in color and a choice individual.

BULL: Pietertje Korndyke Tirania 222014. Born Nov. 11, 1916. A most desirable bull from great transmitting dams and sired by a son of Fairview Korndyke Lad whose dam was the former world's champion cow.

PIETERTJE KORNDYE LAD
6 A. R. O. daughters. De Kol K. P. Korndyke, 2 yrs., 18.40. By a ¾ brother to Pontiac Lady Korn., 38.03. His sire is a brother to the dam of the world's record senior three-year-old.

- **Fairview Korndyke Lad**
  29 A. R. O. daughters. Daisy Maiden Korn., 28.08. Four others with records above 20 lbs. 8 A. R. sons.
  - **Pontiac Korndyke**
    147 A. R. O. daughters, 15 above 30 lbs.
  - **Pontiac Pet**
    Butter 37.68
    2 A. R. O. daughters. 2 A. R. O. sons
- **Korndyke Queen Pietertje De Kol**
  Butter 22.46
  Milk 492.10
  Her sire is by a brother to Pontiac Korndyke.
  - **Nicholas Wayne Korndyke**
    7 A. R. O. daughters. 1 above 30 lbs.
  - **Queen Wilhelma Pietertje De Kol**
    Butter 15.82
    2 A. R. O. daughters.

TIRANIA ARTIS CLOTHILDE DE KOL
Butter, 3 yrs..... 22.27
Milk 460.70
Average per cent 4.04

- **Sir Colantha Yankee Mary**
  14 A. R. O. daughters. 8 with records above 20 lbs. 4 producing daughters.
  - **Dutchland Colantha Sir Inka**
    62 A R. O. daughters. 5 above 30 lbs.
  - **Tirania Yankee Mary**
    Butter 23.73
    3 A. R. O. daughters.
- **Tirania Artis Clothilde De Kol**
  Butter 21.71
  Milk 494.80
  4 A. R. O. daughters.
  - **Beauty Artis Clo. De Kol**
    14 A. R. O. daughters. 4 above 21 lbs
  - **Pauline Tirania**
    5 A. R. O. daughters. 2 above 20 lbs.

Write your wants, or better, call at my farm and inspect the Herd—100 head to select from.

W. C. HUNT **Fayetteville, N. Y.**

30 minutes direct to farm via suburban trolley out of Syracuse.

CONSIGNMENT OF

Johnstone & Ballantyne

BASSETT IOWA

to the

IOWA HOLSTEIN BREEDERS' SALE

Des Moines, Iowa, March 27th-28th

LOOK THEM OVER

JOHANNA MABEL DE KOL, 20.55 lbs. of butter in 7 days. This was the first cow we ever tested and she should make 30 lbs. with the right attention.

QUEEN MABEL BEETS SEGIS, a daughter of the cow just mentioned and sired by Colonel Beets Segis, a good son of King Segis. This heifer made 19.26 lbs. at 2 yrs. 9 months of age.

JOHANNA MABEL SEGIS BEETS, a full sister to Queen Mabel Beets Segis. At 1 yr. 9 mo. she made 12.5 lbs. of butter. Here are two splendid granddaughters of the great King Segis and both will be bred to King Korndyke Pontiac Lass, the $10,000 son of the first 44-lb. cow.

A GOOD SON OF KING KORNDYKE PONTIAC LASS from Johanna Mabel De Kol. This 11-month-old youngster should make an extra choice herd sire.

This is our first consignment at a public sale and we are starting in with good ones. Send for a catalog at once and look them up.

JOHNSTONE & BALLANTYNE **Bassett, Iowa**

THE BREEDERS TELL US

DAUGHTERS OF SMITHDALE ALCARTRA PONTIAC.

As I have not seen any news from Livingston county in your paper for a long time, thinking the readers of your fine paper might think we were all dead, I am writing you what I have done this last winter with a few Smithdale Alcartra Pontiac heifers. I sold this bull nearly two years ago to the American Beet Sugar Company, Rocky Ford, Colo. He was a well bred bull, being by Sir Pontiac Rag Apple Korndyke, and his dam the world's famous cow, Alcartra Polkadot—therefore a brother to Alcartra Polkadot Corrector, the sire of Tilly Alcartra that recently made 40.78 pounds of butter.

Regarding Smithdale Alcartra Pontiac's daughters, I know of only seven of them that have ever been, or tried to be tested. The oldest are three years old. They are as follows: Rubertdale Flint Ferndale De Kol at three years, 27.146 pounds of butter in seven days; Rubertdale Wayne Pietertje at three years, 25.86 pounds; Rubertdale Artis Pontiac Saskia at 25 months, 22.14 pounds, which is the Livingston county record for a junior two-year-old; Rubertdale Flint Alcartra at two years, 21.97 pounds; Rubertdale Flint Ferndale Aaggie two years, 19.50 pounds; Rubertdale Flint Tula Hengerveld at two years, 16.28 pounds; Rubertdale Pontiac Flint Mercedes at two years, 16.20 pounds, and Rubertdale Mechthilde Segis at three years, 17.84 pounds.

These records were nearly all made after the above heifers were fresh from six to eight weeks, without any previous preparation and thin in flesh. They were without a particle of grain all summer until they came in this fall. You can imagine in what condition they were when we started the test. They were all bred at my place and had a very ordinary caretaker without any previous experience as to tests. I think this record will show you that Smithdale Alcartra Pontiac will be a credit to his illustrious dam, Alcartra Polkadot, and some day you will be reading of the great records of the daughters of Smithdale Alcartra Pontiac. I have heifers out of him from cows by King of the Pontiacs, Pontiac Korndyke, King Pontiac Artis and Johanna Hengerveld Lad and they have good records.—Seth B. Rubert, Wisconsin.

Smithdale Alcartra Pontiac, senior herd sire in the Holstein herd of the American Beet Sugar Refining Company of Colorado. His daughters are making extra good records.

GOOD COW AT PUBLIC AUCTION.

One of the best cows ever offered at a public sale in the middle west is Beauty Rauwerd Hengerveld 2d, consigned to the Iowa Holstein Breeders' sale by W. B. Barney & Sons. Her sire is Prince Segis Korndyke, 58 A. R. O. daughters, that is a son of Sir Korndyke Manor De Kol and A. and G. Inka McKinley, the dam of King Segis. The dam of this good cow offered is one of the best daughters of Pietertje Hengerveld's Count De Kol, and besides having a 29-pound seven-day record for butter and one of 117 pounds of butter for 30 days, she is a full sister to the 30-pound cow, Beautv Rauwerd De Kol. Further than this, a full brother of hers is the sire of Florence Jewel De Kol Rauwerd, 30.90 pounds of butter in seven days and 120 days in 30 days. In her best day, Beauty Rauwerd Hengerveld 2d has milked 95 pounds and her dam 102 pounds.

Here is a cow that would be a suitable foundation animal for anyone. Her kind is invaluable for this purpose and her offspring should be likewise.

Eighty-seven cow testers in Wisconsin! There is more than one "show me" state.

DISPERSION

of the famous SUN FLOWER HERD of Holstein-Friesians AT TOPEKA, KANSAS, MARCH 27, 1918

(Following the Kansas Breeders' Sale)

F. J. Searle, the proprietor, states that his farm has been sold and therefore his entire herd will be offered the public on the above date. The Sun Flower Herd is well known far and near for high class stock.

In all, 75 head will be sold. W. H. Mott consigns 25 head of choice ones to the sale

CONCERNING THE STOCK

Twelve daughters of Model Segis Butter Boy, he by a son of King Segis from Anna De Kol Butter Girl, the three times 30-pound cow. These twelve head all have calves by the grandly bred sire, King Pontiac Concordia Konigen, a son of the $10,000 King Pontiac Konigen and Nellie Concordia De Kol, 31.46 pounds. This dozen would make an excellent foundation herd.

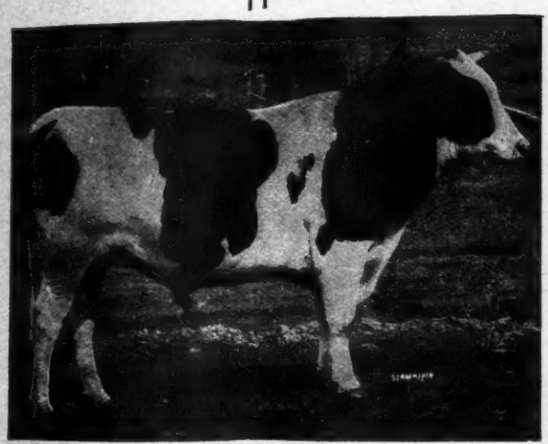
There will be granddaughters of such noted sires as King of the Pontiacs, King Segis Pontiac, King Pontiac Artis, King Walker, Pontiac Jewel Butter Boy, Walker Korndyke Segis, and Korndyke Butter Boy.

All females of breeding age will be bred to either of the following sires: King Segis Pontiac Maia, a son of King Segis Pontiac from a 21-pound two-year-old daughter of King of the Pontiacs; or Sun Flower King Walker, a son of Tirania Lady Aouda 5th King, whose yearly record is 617 pounds of butter. This bull will soon have a number of A. R. O. daughters.

Write at once for catalog.

F. J. SEARLE, OSKALOOSA, KANSAS

This Is The Bull



Spring Farm King

He can transmit more of the blood of the first 44-lb. cow than can any other sire

Perfect in Form
Perfect in Breeding
Perfect as a Sire

One of his sons will do you a world of good

I have several from high record dams

Write for prices

FRANCIS M. JONES

Clinton, N. Y.

The Breeders Tell Us

MR. FLECKENSTEIN'S NEW SIRE.

To head his herd of high class animals, Edward Fleckenstein of Minnesota has purchased a son of one of the greatest living bulls. The name of this bull is King Segis Pontiac Fayne Star, and he is sired by none other than King Segis Pontiac Count, owned by the Arden Farms of the same state. In more than one way King Segis Pontiac Count has gained accomplishments which have not been equaled by any other sire. His daughters have made world's records without number both in the short-time and long-time divisions. One of them, Beauty Girl Segis Pontiac, will close her year within a short time with at least 1,200 pounds of butter and this as a three-year-old. Ten of his daughters average over 30 pounds of butter in seven days at an average age of less than three years.

What his sisters are doing, King Segis Pontiac Fayne Star should be able to transmit to his offspring. His dam, Johanna Fayne Star, has a seven-day record of nearly 33 pounds of butter, an accomplishment which can not be credited the dam of King Segis Pontiac Count. Johanna Fayne Star has yearly records of 941.5 pounds of butter from 23,549 pounds of milk. These figures for milk were nineteenth in her class in 1915. She is sired by Sir Johanna Fayne, one of the Iowana Farms herd sires that has around half a hundred A. R. O. daughters, of which two have made above 31 pounds. Sir Johanna Fayne is sired by Sir Fayne Concordia, a sire of demonstrated ability that is a son of Homestead Junior De Kol.

Several of the breed's greatest sires appear in the first four generations of the pedigree of Mr. Fleckenstein's new herd sire. They are King Segis Pontiac Count, King Segis Pontiac, Sir Johanna Fayne, King of the Pontiacs, King Segis, Chief Piebe Oak Duchess, Pearl of the Dairy's Joe De Kol, Piebe De Kol Burke, Sarcastic Lad, Homestead Junior De Kol, and the noted Pontiac Korndyke appears twice. This bull should meet the highest expectations of his owner.

ELM COURT FARM SALES.

Elm Court Farm, of Wisconsin, reports the sale of two young sires of unusual breeding, Colantha Lyons Segis and Elm Court Pontiac Burke. The former bull was purchased by W. H. Latta and E. L. Benedict of Clinton, Wis., and the latter by I. L. Curtis & Son, Wyocena, Wis.

Colantha Lyons Segis has a combination of breeding that is quite unusual, uniting as it does in his grandsires the blood of the two famous century sires, King Segis and Colantha Johanna Lad. His sire, King Colantha Clothilde, has 28 A. R. O. daughters, two above 30 pounds, one made as a three-year-old and the other as a four-year-old. His dam, Segis Blanche Lyons, has a seven-day record of 28.9 pounds of butter made when only 3 years 1 month old, and a 30-day record of 111.17 pounds made at the same age.

His granddam, Abby Hartog Clothilde, has a seven-day record of 31.39 pounds made in 1907, and winning that year the fifth association prize. Her 30-day record of 129.31 pounds of butter was the third largest record made in 1907. She has five A. R. O. daughters, two above 30 pounds. The records of her five daughters average 27.9 pounds.

The other granddam of Colantha Lyons Segis is Blanche Lyons Netherland, with a seven-day record of 34.36 pounds, and a 30-day record of 140.18 pounds, which was the world's record when made. This cow also has five A. R. O. daughters, including one with a 34.71-pound record. The average seven-day records of four of her daughters is 30.06 pounds. This young bull is an excellent individual and a good purchase at $1,000.

Elm Court Pontiac Burke, purchased by I. L. Curtis & Son, is from the famous heifer, Elm Court Johanna Pearl 2d, the heifer that made the second largest milk record, and fourth largest butter record as a junior two-year-old ever made in the state of Wisconsin at the time her record was made in 1917. This young sire is by Count of the Pontiacs, a 27-pound grandson of Hengerveld De Kol and by Pontiac Burke.

A RECENT SPRING FARM SALE.

Francis Jones reports the sale of one of his very best bred bulls to F. H. Sohre & Son of Minnesota. This bull is Spring Farm King 7th, a son of Spring Farm King and Spring Farm Segis Lady, a 32-pound daughter of the famous cow, Tweede White Lady, 37.45 pounds.

Spring Farm King 7th is a beautiful individual and comes from a family that has figured very largely in the achievements at Spring Farm. In fact it was his two granddams that performed miracles during 1912-1913, and resulted in bringing out not only the first 44-pound cow but also the first 10,000-pound cow and one of the highest priced bulls of the breed. One granddam is the dam of K. P. Pontiac Lass, while the other produced Spring Farm King Pontiac.

The dam of Spring Farm King 7th, Spring Farm Segis Lady, is a daughter of King Segis De Kol Korndyke, and has recently completed a record of 32.18 pounds of butter from 593.6 pounds of milk while Spring Farm Korndyke Lady, her maternal sister, at the same time completed a record of 31.02 pounds of butter from 543.5 pounds of milk. They are daughters of Tweede White Lady that made a yearly record of 1,127 pounds of butter from 21,037.11 pounds milk in addition to her 37-pound seven-day record and produced Spring Farm King Pontiac, one of the very best sons of his sire.

On the sire's side we find Spring Farm King, the leading sire at Spring Farm. He is the only full brother to the first 44-pound cow, being by King of the Pontiacs from Tweede De Kol Lass, a 34-pound sister to Tweede White Lady. Tweede De Kol Lass, in addition to being the dam of K. P. Pontiac Lass, also produced Spring Farm Lass Pontiac that has just made 30.60 pounds of butter from 525.7 pounds of milk in seven days and 124.3 pounds of butter from 2,230 pounds of milk in 30 days, and the combined 30-day records of this cow and her two daughters stand unequaled by any other dam and two daughters. Spring Farm Lass Pontiac is sired by a son of Tweede White Lady so that both sides of the pedigree of Spring Farm King 7th are

HOLSTEINS WANTED

Registered and grades. Heifers, cows, bull and heifer calves. want to resell them if I can buy them cheap enough. I can use hundreds. Give full particulars and price in first letter.

CHAS. WESTERHEIDE
New Douglas, Ill.

Heart's Delight Farm

We Have a Fine Young Bull
Sired by
"Sir Korndyke Pet Hengerveld"
Which we desire to exchange for
A Herd Bull
Out of a Good Cow With a High Butter Record

Heart's Delight Farm
Chazy, New York

350-lb. Pontiac BULL CALF For $135

Near five months; straight, long-bodied, thrifty; more white than black; handsomely marked; sired by a 28.41-lb. son of the great King of the Pontiacs, who has more A. R. O. daughters, more daughters with records above 30 lbs., more 40-lb. daughters than any sire of any breed, living or dead. Calf's dam is a high-testing 22-lb. 4-year-old, she having made three records above 20 lbs. between the ages of 3 years and 4 years 11 months. Her dam is a good A. R. O. cow, and her sire is out of a near 27-lb. cow. By next fall all kinds of bulls will be mighty scarce and high in price—they're not being raised. Buy while the buying is good.

Broadhurst Holstein Farm
MORRISVILLE, N.Y. {Which is in Madison Co.

closely connected with those of this new 30-pound cow, they having the same granddams, but in reverse order.

Messrs. Sohre are to be congratulated upon the acquiring of so richly a bred bull and the fact he is very closely related to so many great animals makes him especially desirable as a herd bull. Breeders of Minnesota, in whose midst he is to go may consider themselves fortunate in having such a sire in their community. It is understood some 16 high class females from the herd of A. A. Hartshorn Holstein Company were selected to go with this promising animal thus establishing one of the best bred new herds in the west.

SON OF RAG APPLE KORNDYKE 8TH TO KANSAS.

In view of the remarkable work being done by the daughters of our great herd sire, Rag Apple Korndyke 8th, it is a great pleasure to me to see his sons being placed among the many good herds to be found in the hands of progressive breeders throughout the west.

One of our latest shipments is a very high class son of Rag Apple Korndyke 8th, that goes into the herd of A. B. Wilcox & Son of Kansas.

Superba Sir Rag Apple, as this exceedingly well bred son of our great herd sire has been named, carries a very strong combination of producing blood lines. His sire, Rag Apple Korndyke 8th, being the only bull in the world to have a three-year-old daughter make 42 pounds of butter in seven days, is a son of Pontiac Lady Korndyke, a former world's champion daughter of Pontiac Korndyke, she having a record of 38.03 pounds of butter in seven days, and being a half sister to the present world's champion combined milk and butter cow, Fairview Korndyke Mata, with a record of 47.16 pounds of butter and 801 pounds of milk in seven days.

The dam of this exceptionally fine youngster is Molly De Kol Spofford Burke. She has a record of 29.83 pounds of butter in seven days, with a milk production of over 600 pounds, and she traces direct to De Kol Burke, sire of Riverside Sadie De Kol Burke, former world's champion milk producer for seven days with her record of 920 pounds for that period.

Mr. Wilcox and his son are to be congratulated upon having secured such a fine individual son of the world's greatest sire to place at the head of their herd of registered Holsteins, and it is safe to predict for these progressive breeders an unusual measure of success in their breeding operations.

Superba Sir Rag Apple is not only exceptionally well bred, but he possesses individuality of unusual excellence, insuring to his progeny qualities of type, that combined with their breeding are bound to command very remunerative prices.—Oliver Cabana Jr., New York.

PURCHASE SON OF RECORD HEIFER.

Gormley Brothers of Jefferson, Wis., write that after attending nearly all the sales in Wisconsin, and corresponding with a number of the leading breeders for a bull, light in color, a good individual, with some King Segis blood in him, and within their limit of $1,000, they have at last bought Cleveland Johanna Sir Piebe 132446, a son of the former world's champion senior two-year-old, Molly Johanna Korndyke. She has an A. R. O. record of 34.64 pounds of butter as a two-year-old. She is sired by a son of Johanna McKinley Segis, the 40-pound son of the great King Segis, and is out of a 26.90-pound granddaughter of Johanna Rue Sarcastic Lad.

For a sire this new bull has Pinehurst De Kol, who is out of Pinehurst Piebe, 34.43 pounds of butter in seven days and sired by Piebe Champion, a 27-pound grandson of Colantha 4th's Johanna.

Every dam but one in this new sire's pedigree for four generations has a good official record, and every sire is the sire of a producer.

With this sire to use on the daughters of their 32.60-pound son of King Lyons, we think they should get some good results.

MR. SCHROEDER OFFERS 30-POUND COWS.

It is indeed an uncommon situation when a herd has grown so large and contains so many large producers that the ones which must be disposed of are cows with 30-pound records or daughters of 30-pound cows, or of sires whose dams have made 30 pounds. Such is the case, however, with the E. C. Schroeder Farms of Minnesota as set forth in their advertising this week. One of these is a 34.55-pound three-year-old that has given 143.97 pounds of butter in 30 days and whose 30-day figure is a world's record in her class. Rhoda Jewel Abbekerk 3d Gerben, 32.15 pounds of butter in seven days and 126.13 pounds in 30 days, is another. She is the dam of a four-year-old with a seven-day record of 33 pounds.

One should by all means look up these animals, for they are the kind that one can feel proud to have in his herd.

Barren Cows

Must be Made to Breed or Your Dairy Business will be a Failure. They

Can Be Made to Breed

By the use of

HOOD FARM BREEDING POWER

We say this confidently because it has been used with such marvelous results by so many breeders. Every cow at Hood Farm is treated with the Breeding Powder, and we know that it does make barren cows and heifers breed; we know that it checks and prevents abortion; we know that it makes cows clean quickly, thereby saving us hundreds of dollars annually.

Order today, mentioning this paper.

Prices prepaid, $1.15, $2.75 and $5.00. Flexible Injection Tube, by mail, 90c. Mammoth size Breeding Powder and Tube, prepaid, $5.75.

C. I. HOOD CO., Lowell, Mass

Up-to-the-Minute PEDIGREES

Typewritten or Printed

Sale Catalogs

Printed in our own plant, assuring prompt and accurate service.

Printing Stationery, Herd Registers, Certificate Envelopes, Etc. Send for samples and prices.

SPECIAL OFFER: 250 Letterheads and 250 Envelopes prepaid for $4.00.

For Pedigrees Address

HOLSTEIN SALES CO., Elgin, Ill.

For Printing Address

LIVE STOCK PRINTING CO.

LA GRANGE, ILL.

BREEDERS' CONSIGNMENT AND DISPERSAL SALE

At Doylestown, March 27, 1918

SALE STARTS AT 10:00 A. M.

CONSIGNORS

E. C. Brill, Stewartsville, N. J.
Miss Julia F. Avery, Doylestown, Pa.
Wilson M. Jones, Doylestown, Pa.
George H. Masland, Newtown, Pa.
Jacob L. Shelly, Fountainville, Pa.
Isaac S. Gross, Plumsteadville, Pa.
Wilmer Twining, Wycombe, Pa.
The Trevose Farm, Oxford, Pa.

And other Prominent Breeders

This sale will be an opportunity for farmers and breeders to secure highly bred Holstein-Friesian cattle at their own price. It will include the entire dispersal of Miss Julia F. Avery's herd. In breeding and individual qualities, the offerings at this sale are of the best, including sons, daughters and granddaughters of such sires as King of the Pontiacs, King Segis Champion, King Model, Paul Calamo Korndyke, Golden Segis De Kol Korndyke, Lewis Prilly Rouble Hartog 2d and others. Special mention is made of a son of King Model that sold for $10,400, and that is one of the best young bulls in the world; also of a daughter of King of the Pontiacs, and a daughter of Paul Calamo Korndyke, and a daughter of Johanna Creamelle Fayne Lad, who is a grandson of King Fayne Segis, sire of the 50-pound cow. It will pay you to attend this sale, which will be under cover, and held rain or shine, commencing at 10 o'clock in the forenoon. For catalogs and other information write to

ISAAC GROSS, Chairman, Plumsteadville, Pa. or WILSON M. JONES, Secretary, Doylestown, Pa.

COL. GEO. W. BAXTER, Auctioneer — E. C. BRILL in the Box

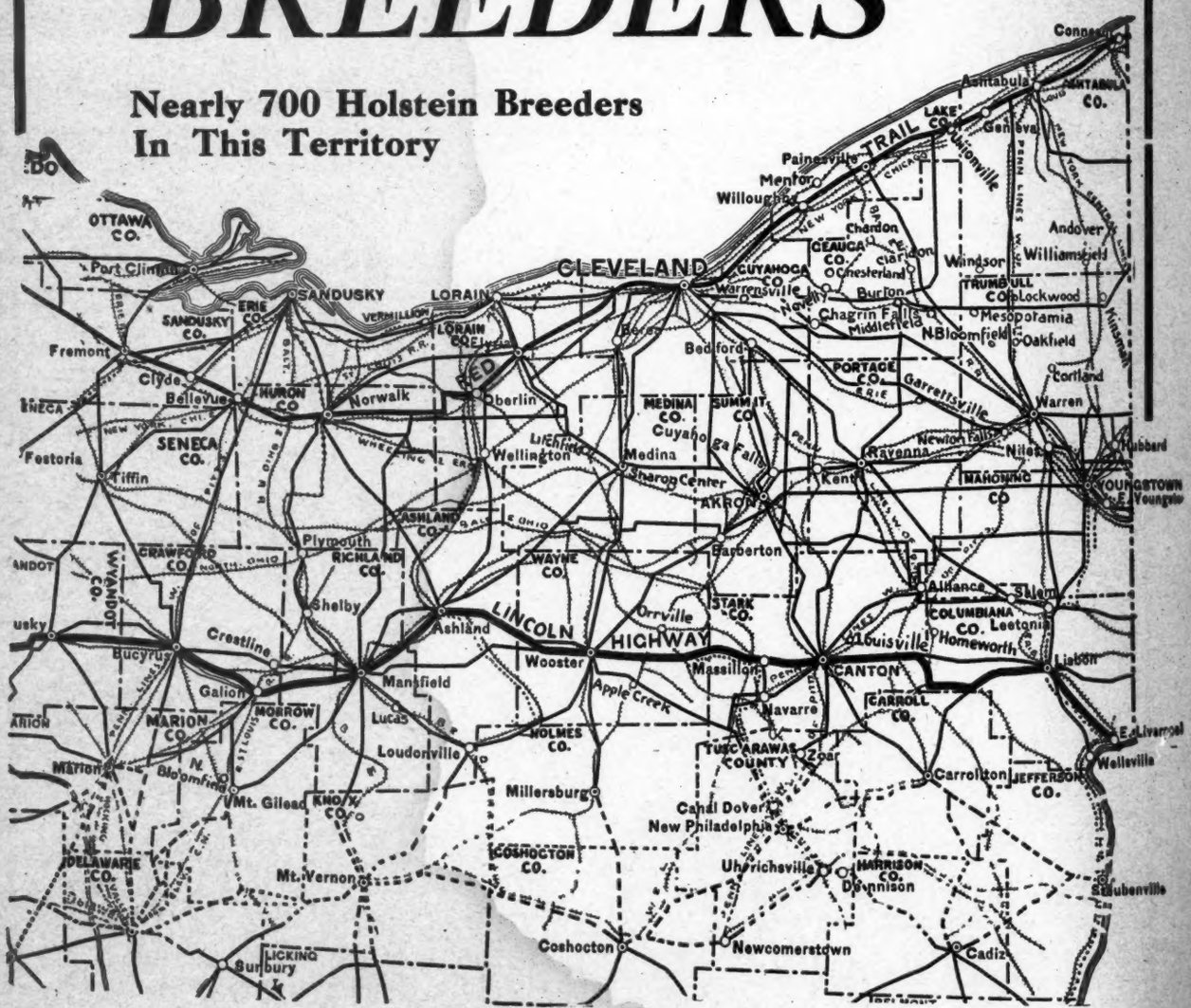
ONE-A DOZEN-A CARLOAD

You can fill your Holstein requirements in northern Ohio, be they what they may. Remarkable railway facilities. Easy territory to reach and lots of cattle to choose from. Good treatment and just prices, too. Address, for information:

Allison Brothers Dairy Co., Mt. Gilead, O.
Brownwood Farms, North Bloomfield, O.
Cleveland City Farm, Warrensville, O.
G. A. Gemberling and Sons, Kent, O.
A. W. Green, Middlefield, O.
Kingwood Farms, Mentor, O.
Lothian-Riverode Stock Farm, Novelty, O.
Maplecrest Stock Farm, Chardon, O.
D. R. Morse, Williamsfield, O.
M. E. Palmer, 660 Buchtel Ave., Akron, O.
Peter Small, Chesterland, O.
A. R. and G. B. Warner, Wellington, O.
G. A. Wright, Bellevue, O.

NORTHERN OHIO BREEDERS

Nearly 700 Holstein Breeders In This Territory



King Champion Rag Apple

YES, FATHER, I am going "over the top." They can't keep me back. I am going to buy a son of the $20,000 King Champion Rag Apple, and I'll have more good men working for me than any other man in our country. To have men like Oliver Cabana Jr., D. W. Field, J. T. Shanahan and A. W. Green working for me, it's a cinch I can go "over the top" easily. I'll write to Green today. Everyone who knows him says he will give me a square deal. It's the only place in the world where I can get the blood of the mighty Rag Apple Korndyke 8th through a 40-lb. son. You know he is advertised to be the greatest bull in the world, and who dares to challenge his right to be so called? He is the sire of the world's youngest 30-lb. cow, and who says the son shall not be greater than his sire?

His sons—well, they bring so much money I don't dare ask the price. Think of it! Three little fellows sold for $108,200 at auction. But Green had a vision, and the nerve to buy his first 40-lb. son, and got the $20,000 bargain, and he says he will sell the sons of King Champion Rag Apple at farmers' prices. You know Lady Pontiac Johanna is his dam, and she made almost 42 lbs. of butter in seven days at three years of age—a World's Champion NOW, not a HAS BEEN—and her second dam is a World's Record cow, too. Oh, well, there's nothing to it. No matter what they say, Father, I am going "over the top" with the big fellows, and a son of King Champion Rag Apple, senior herd sire at

WALNUT CREST FARMS

P. O.—Middlefield, Ohio **A. W. GREEN, Prop.** **R. R. Station—East Orwell, Ohio**

By Right of Inheritance

The young bulls bred at Maplecrest and carrying the cross of Friend Hengerveld De Kol Butter Boy-Pontiac Aaggie Korndyke are making good, and rightly so.

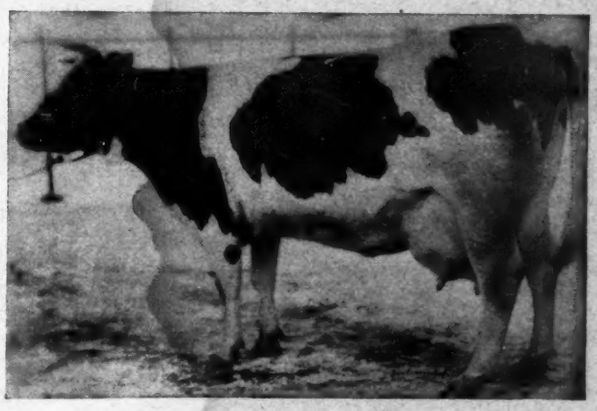
Five daughters of the former average 1,118.06 lbs. butter and ten of the latter average 1,161.87 lbs.—an unequaled showing. They are the greatest year round producers in the world.

One of the best carrying this cross

A beautiful individual son of the cow here pictured. He is very attractively marked, four-fifths white, straight and handsome.

He's a son of Friend Hengerveld De Kol Butter Boy and his dam is one of the 13 30-lb. daughters of Pontiac Aaggie Korndyke with a good year's record made at two years. Her dam is Burton Highlawn 2d, with 20 lbs. at 12 years, and dam of Ohio's first 30-lb. cow. She's also a sister to the dam of two 30-lb. cows, one of which in turn has a 30-lb. daughter.

Here's one of the best young bulls ever bred at Maplecrest



Maplecrest Pontiac Highlawn

Butter, 4 years	30.72
Milk	434.00
Butter	120.51
Milk	2,142.10
Butter (365 days) 2 years	758.62
Milk	16,866.8

Look at this great cow. Look at her type, her size, her conformation, her beautiful udder and splendidly placed teats, her straight back and level rump—the great depth of barrel and strong constitution. She is the right type for the dam of a herd sire. Get her son today.

MAPLECREST STOCK FARM **CHARDON, OHIO** Farm at East Claridon, Ohio

The Breeders Tell Us

MAXWELL FARMS COMPLETE GOOD RECORDS.

Several records of importance have just been made by the Maxwell Farms of Iowa, one of which is a state record.

Carrie Beets Segis, a daughter of Colonel Beets Segis, former herd sire of C. S. Mulks of Iowa made 25.40 pounds of butter from 465.8 pounds of milk in seven days. This record was made at 2 years 5 months 7 days of age, which is the state record for junior two-year-olds. Her sire is a son of the great King Segis. If predictions are in order this heifer should in all probability come not far short of adding another 40-pound cow to the list of granddaughters of King Segis. Her owners state she is a heifer of exceptional quality. Several of her sisters from the same sire have extra good records.

K. S. P. Lilly McKinley, a daughter of King Segis Pontiac from a daughter of Johanna McKinley Segis, produced 22.42 pounds of butter from 456.7 pounds of milk in seven days. This is a junior two-year-old heifer, her record being made at 2 years 1 month 19 days of age. Her record adds another to the already fine list of her well known sire.

Two records of over 31 pounds of butter in seven days are recent achievements of this establishment. One of these was made by Edith Belle Hengerveld, a daughter of Woodcrest Hengerveld De Kol, who is a sire with a long list of A. R. O. daughters. As a five-year-old Edith Belle Hengerveld produced 31.67 pounds of butter from 683.3 pounds of milk in seven days. In her best day she has given 107.7 pounds of milk. The sire of this cow is being proved a transmitter of high record females. At least ten of his daughters are owned in the Maxwell herd, nearly all of which have very satisfactory records and which will be still further increased as they freshen.

The other 31-pound cow is Fobes Clothilde. Her figures for seven days are 31.19 pounds of butter from 609.4 pounds of milk. Her sire is from a good daughter of Homestead Junior De Kol, a sire well known to Holstein breeders in general. The dam of Fobes Clothilde is a daughter of Spring Brook Heilo Johanna King. Several daughters of this sire have made good showings, at least three producing in excess of 30 pounds. One of these, Heilo Kappijne, has a seven-day record for butter of 35.59 pounds, and still another, Keep On Johanna, has 30.04 pounds. This latter record was made in the Maxwell herd.

Still another record which has not been completed is that of Stella Pontiac Dione, a three-year-old that is going at a 28-pound rate for her seven days.

These records are a sample of what has been accomplished at this establishment within the past year or more. They can proudly point to five 30-pound records within this time aside from numerous others closely approaching this figure, and in addition to these, the records made by these two-year-olds which have just been tested. When it is known that the average of all females over four years of age in this herd that have been tested, is better than 27 pounds of butter in seven days, one must conclude they have done exceptional work in their testing. They are especially fortunate to have as senior herd sire, Sir Ormsby Skylark, the sire of the only cow of any breed to have produced 1,500 pounds of butter in a year. The junior sire is a son of Johanna McKinley Segis from a 30-pound daughter of Pearl of the Dairy's Joe De Kol.

A dozen or more head will be consigned by this firm to the coming Iowa Breeders' Sale at Des Moines the latter part of this month. These animals are the offspring of, or closely related to, their herd sires and buyers will be lucky who line up with this kind of stock.

Of course, some dairy barns need no ventilating system. These are the kind that have so much open air space that fresh air is at all times present.

For Sale or Exchange—

KING JOHANNA SEGIS FAYNE

A three-fourths brother to

Segis Fayne Johanna 50.68

The First and Only 50-lb. Cow

He is now the sire of 41 A. R. O. daughters, one with 34.32 lbs.; another with 28.55 lbs.; another with 28.36 lbs., as 4-year-olds.

His sire is **King Fayne Segis** (28 A. R. O. daughters), the sire of the only 50-lb. cow and of three others that have made over 30 lbs. King Fayne Segis is a son of the first 35-lb. cow.

His dam is **Johanna Von Harlingen De Kol** (by Johanna Rue 3d's Lad). She made 27 lbs. butter from 728 lbs. milk in 7 days and for the year made 1,159 lbs. butter from 27,685 lbs. milk.

Owing to the fact that our herd contains nearly fifty of his daughters and as many granddaughters, we find we have no further use for King Johanna Segis Fayne. We will sell him outright or would consider a proven son of King of the Pontiacs in exchange.

A fact not to be overlooked is that our herd is under State Supervision and is one of the cleanest in the state.

KINGWOOD FARMS

F. P. Freshley, Mgr. MENTOR, OHIO

Blackburn's Holsteins

Best and Cheapest

125 Head—For Sale

COWS—HEIFERS—BULLS—CALVES

Priced to sell. Send for catalog

Dr. A. D. Blackburn, Cuba, O.

DID YOU NOTICE THIS???

ONA CLOTHILDE DE KOL	25,019.3	1,100.6
Dam of:		
Ona Button De Kol	26,761.2	1,345.55
Ona Clothilde De Kol 2d	25,449.6	1,044.45
Granddam of:		
Ona Clothilde Wayne	27,091.5	1,266.65
Great granddam of:		
Meadowholm Ona Wayne (2 years)	17,510.1	940.10

This is the only three direct generations of 1,000-lb. cows. It also contains the only 1,100-lb. cow with two 1,000-lb. daughters, as well as the only 25,000-lb. cow with two 25,000-lb. daughters. It also contains the oldest 1,000-lb. cow of the breed and the only 1,000-lb. cow with a 1,000-lb. daughter, a 1,000-lb. granddaughter and a 1,000-lb. great granddaughter.

Meadow Holm Farm Made These Cows What They Are

If You Want Real Long-Time Production—Come to Meadow Holm

PETER SMALL **Chesterland, Ohio**

And Still Another 1000-Lb. Record

(Which Makes Two Within the Last Five Weeks)

Aaggie Johanna Beets finished a senior 4-year-old record of:
25,975.9 lbs. milk and 1,006.9 lbs. butter

Our Ten Highest Records Now Average
1,071.34 Lbs. Butter from 25,786.4 Lbs. Milk

Don't write us for a 1000-lb. bull, for we haven't one just at present, but we do have some youngsters that are good enough to put at the head of your herd.

WRITE US FOR PARTICULARS

CLEVELAND CITY FARM **Warrensville, Ohio**

L. H. Moulton, Farm Supt. **K. L. Juve, In Charge of Cattle**

"No Horns"

NATURALLY POLLED HOLSTEIN-FRIESIAN

bull calves, sired by a son of the WORLD'S RECORD senior four-year-old, 1,249.7 lbs. butter in 365 days, at $100 and up. Descriptive catalog for stamp.

Geo. E. Stevenson & Sons
Clarks Summit, Pa.

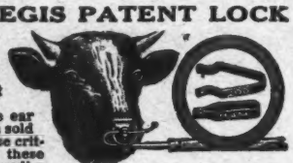
Bull Calves FOR Sale

Bull calves from A. R. O. daughters of King Pontiac Portia, whose first two daughters to complete yearly records average 16,400 lbs. milk and over 700 lbs. butter as two-year-olds. Dams of calves on yearly test. Also can spare a few females. Address

Tulloch & Fries, Genoa, Wis.

KING SEGIS PATENT LOCK

Ear Tags, Bull Staff and Rings. Description and prices sent on application. 300,000 of these ear tags have been sold without adverse criticism. 500 of these BullStaffs are used by the best breeders in the business.



H. A. Moyer, Syracuse, N. Y.

ADVERTISE

YOUR WANTS AND FOR SALES in the Holstein - Friesian World

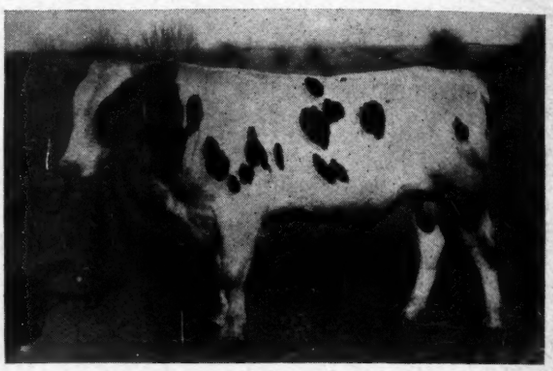
The Breeders Tell Us

THE UNION COLLEGE HERD OF NEBRASKA.

We have recently started in the purebred Holstein business and our present herd numbers 35 head. Our herd sire, College King Segis Alcartra, is a bull of very good backing and perhaps a brief description of him and also of a few of our females would be of interest.

College King Segis Alcartra is sired by the $50,000 bull, King Segis Pontiac Alcartra, and his dam's seven-day record of 35.61 pounds of butter was a former world's record. The eleven nearest dams of our bull average 30.33 pounds of butter in seven days, and his 22 nearest tested dams average over 27 pounds. He closely combines the blood of the greatest sires of the breed, tracing twice to Pontiac Korndyke, Hengerveld De Kol, De Kol 2d's Butter Boy and Paul Beets De Kol. He traces once to King Segis, King of the Pontiacs, Korndyke Queen De Kol's Prince, Sarcastic Lad, Pietje 22d's Woodcrest Lad, De Kol Burke and others. He also combines the blood of such great cows as Pontiac Clothilde De Kol 2d, Alcartra Polkadot, Pietje 22d and others. It is interesting to note that ten of these sires have together seven 40-pound granddaughters and 246 above 30 pounds. Fifteen of these sires together have sired 1,202 A. R. O. daughters. His sire is a grandson of King Segis, who is also grandsire of the only 50-pound cow. These statistics bear out the statement that he is a bull of more than ordinary value.

One of the young females in our herd is Princess McKinley Alcartra, a daughter of King Segis Pontiac Al-



College King Segis Alcartra, herd sire in the Union College herd of Nebraska. His sire is King Segis Pontiac Alcartra and his dam was a former world's record cow with a seven-day butter record of 35.61 pounds.

HERDSMAN

Experienced in the handling of Purebred Holstein A. R. O. work and calf raising desires position in an up-to-date herd by April 1st.

Wages $75 a month, board and room. References exchanged.

JAMES DOUGHERTY **River Falls, Wisconsin**

SHOW BULL

Calf out of a fine granddaughter of

King of the Pontiacs

Sired by our 33-lb. Bull. Price $60

HAROLD HUBBS **Kirkville, N. Y.**

Senior Sire

King Pontiac Dione

He is sired by King Segis Pontiac, the well known sire of high priced bulls and whose dam was the first 37-lb. cow, Pontiac Clothilde De Kol 2d.

His dam, Pontiac Diona, is one of the highest yearly record daughters of the great Hengerveld De Kol.

King Pontiac Dione is an extra good individual. This can also be said of his daughters and they are making good records, both short and long time.

WAKEFIELD FARM

GEO. E. VAN HAGEN, Owner

Our herd numbers over 155 head and contains animals with the best of breeding. The herd contains a large number of daughters of our two well bred sons.

We can offer you sons of King Segis Pontiac Chicago, out of daughters of King Pontiac Dione, also sons of King Pontiac Dione from high record dams.

We will be glad to hear from you.

A. N. DUNLOP, Supt. **Barrington, Ill.**

Junior Sire

King Segis Pontiac Chicago—the $20,000 Bull

This highly prized young bull is also sired by King Segis Pontiac. His dam is Johanna De Kol Van Beers, the former world's champion.

The two nearest dams of this bull average:

7 days—38.64 lbs. butter; 654.7 lbs. milk.

30 days—148.34 lbs. butter; 2,676.3 lbs. milk.

His splendid individuality is transmitted in a marked degree to his offspring.

cartra. Her maternal grandsire is the famous $25,000 bull, Johanna McKinley Segis. Her dam is a 29.24-pound cow and the average of her seven nearest dams is 30.07 pounds of butter in seven days. Of the 31 dams in her five-generation pedigree, 29 have been tested and have seven-day butter records averaging 25.37 pounds. She carries 25 per cent of the blood of King Segis.

Two extra good heifers we own are daughters of King Segis Pontiac, which makes them three-fourths sisters to the $50,000 bull. The ten nearest dams of the one average 26.6 pounds of butter in seven days, and of the other 24.82 pounds.

Tidy Abbekerk Prince Polkadot, a daughter of the noted Abbekerk Prince, is another nice heifer in the herd. Her sire now has nine daughters with seven-day records of 30 pounds of butter. Her dam is an exceptional heifer with a two-year-old record of 23.36 pounds.

Still another good one is Abbekerk Snowball Clothilde, a granddaughter of Changeling Butter Boy.

This bull has a 40.43-pound daughter, Changeling Tidy Abbekerk Wayne, owned by Dr. Hubert Work of Colorado. The dam of Abbekerk Snowball Clothilde is a full sister to Snowball Witra, a 33-pound cow.

Even though we are rather new in the business, you will note we have some extra good stock, and time will without doubt reveal some mighty interesting things in connection with our herd.—H. A. Morrison, president.

War in the stable doesn't pay.

Four Heifer Calves for $500

They are straight, well grown youngsters and well bred. Two are by a Sadie Vale sire. One is by Sir Change Katie Paul—one is by a son of a 31-lb. cow. The dams of two have A. R. O. records—the other two are untested.

We can also offer from ten to a carload of extremely choice young cows. Let us know wants.

JABEZ SMITH & SON Newark Valley, N. Y.

We Have Three (3) Very Fine Bull Calves

Sired by SPRING FARM KING PONTIAC 6th; a 33-lb. son of KING SEGIS BEETS and a 30-lb. son of KING OF THE BLACK AND WHITES.

Price $75 to $150

Find out about them

H. PERKINS & SON **Red Creek, N. Y.**

We Offer For Sale

Johanna Colantha Banostine

He is three years old, very large, light in color and a stunning individual.

His Sire: **Maplecrest Butter Boy De Kol,** the nearest male relative of **Banostine Belle De Kol,** 1,322 lbs. of butter in one year. He is the sire of an exceptionally fine lot of daughters that are just coming into milk. He represents a combination of blood lines that has produced more 1,000-lb. cows than has any other.

His Dam: Buffalo Alice Johanna, 31.14 lbs. of butter as a junior four-year-old, is an 1,800-lb. cow of ideal conformation. She is from the same dam as

Duchess Skylark Ormsby

the only cow to produce over 1,500 lbs. in one year. She and Duchess formerly held the world's record for yearly production for two 2-year-old daughters of one dam. Her sire is of the breeding that produced Finderne Pride Johanna Rue, 1,470 lbs. in one year.

Johanna Colantha Banostine is therefore a three-fourths brother to

SIR ORMSBY BANOSTINE CHAMPION

our junior sire and the only son of **Duchess Skylark Ormsby.**

This is a rare opportunity to obtain a sire of the heaviest calibre. Wire us for particulars

WOODLAKE FARM

John B. Irwin **Station F** **Minneapolis, Minn.**

A dozen choice females, most of them bred to

KING KORNDYKE SADIE VALE 24th

will make up our high class consignment to the

Iowa Breeders' Assn. Sale—Des Moines, March 27th-28th

There is a beautiful ten-months-old daughter of K. K. S. V. 24th from a granddaughter of Jewel of Home Farm; four splendid yearlings from A. R. O. dams and sired by a 26-lb. son of Sir Sadie Cornucopia. The others are granddaughters of Rag Apple Korndyke (one a 15-lb. two-year-old), and of King Segis Hengerveld Vale and Artis De Kol Walker. **And best of all, the wonderful daughter of Prince Segis Korndyke—**

Beauty Rauwerd Hengerveld 2d

Beauty Rauwerd Hengerveld 2d

Butter 7 days, 26.73 lbs.; milk 7 days, 647.90 lbs. Butter 30 days, 103 lbs.; milk 30 days, 2,632 lbs.

She is from a 29-lb. daughter of Pietertje Hengerveld's Count D. K. with a 30-day record of 117 lbs.; she has a one-day milk record of 95 lbs. and her dam 102 lbs. She is from a full sister to a 30-lb. cow and is full brother to the sire of a 30-lb. cow. **Look her up at Des Moines.**

W. B. BARNEY & SONS, CHAPIN, IOWA

The Breeders Tell Us

WORLD'S RECORD REFERENCE SIRES FOR IOWA SALE.

The catalogs of the Iowa Breeders' Association Sale will show a group of reference sires that rank among the very best of the breed—several sons of world's champion cows and proven bulls of the most attractive breeding.

King Mutual Korndyke, at the head of Hargrove and Arnold herd, is the oldest son of Finderne Mutual Fayne, the world's champion junior two-year-old that started out on her second lactation period as a three-year-old with better than 36 pounds when she died from strangulation. Her yearly two-year-old record still stands unapproached and is in many respects the most remarkable yearly record ever made. King Pietertje Ormsby Piebe is a world's record sire for the average records of his two nearest dams, both his dam and sire's dam being daughters of the famous Sir Pietertje Ormsby Mercedes. He is represented by three of his young daughters from Elliott Brothers, as well as a dozen females bred to him.

Ten choice young cows from the Golden Rod herd, of Maynard, are bred to Paul Aaggie Butter Boy, who is by a three-fourths brother to Banostine Belle De Kol and from a daughter of Paul Beets De Kol that made as a junior three-year-old, a world's record for milk and butter combined for 365 days.

The twice grand champion of the National Dairy show, Oak De Kol Ollie Homestead, is represented by a son from a 26-pound granddaughter of Homestead Jr. De Kol and by a nice group of females bred to him. King Aaggie Hengerveld is the sire representing the Cass Farms; he is from the highest yearly record daughter of Sir Ormsby Hengerveld De Kol. One of his young sons in the sale has an average of over 907 pounds of butter for 365 days for his dam's and sire's dam's records.

The reference sires from Rival Stock Farm are King Lote Hengerveld, whose two nearest dams average 977 pounds of butter, and Pietje Ormsby Burke—a splendid son of Pietje 22d's Woodcrest Lad and out of a 28-pound daughter of Duchess Ormsby Piebe Burke and Maud Burke (32 pounds).

Other reference sires that will have daughters in the sale are King Korndyke Sadie Vale 24th, Sir Johanna Fayne, and Sir Gerben Pauline, a 33-pound bull. Sir Ormsby Skylark, the sire of Duchess Skylark Ormsby, and King Korndyke Pontiac Lass, the $10,000 son of K. P. Pontiac Lass, complete this extraordinary list.—F. C. Barney, secretary.

We Consign to the

IOWA BREEDERS' SALE

Des Moines, Iowa, March 27-28

9 COWS AND ONE BULL CALF

4 cows should be fresh by sale time. 5 in calf to our Sr. Herd Sire, King Aaggie Hengerveld 180842, whose dam has a 30.6-lb. 7-day record and 1,077-lb. year record. 2 have A. R. O. records of 19 pounds. 3 have A. R. O. records of 20 lbs. 1 has an A. R. O. record of 22 lbs. 2 have under age A. R. O. records. 2 have Semi-official Records of 456 and 738 lbs. 8 have C. T. A. yearly records ranging from 347 to 738 lbs. butter.

Spend Money and Make Money. Help Feed the World. Buy These Cows

Remember the Time and Place, March 27th and 28th, Fair Grounds, Des Moines, Ia.

CASS FARM COMPANY, Sumner, Iowa

For Your Inspection

We are anxious that breeders know of the high quality of the stock that make up

Our Consignment

to the

Iowa Holstein Breeders' Sale

at Des Moines, Iowa—March 27th-28th

We are consigning all females and all are bred to King Mutual Korndyke. This bull is a son of Finderne Mutual Fayne, the world's record junior two-year-old for yearly butter production. Her figures are over 1,200 pounds for the year. As a three-year-old she made 36.17 lbs. of butter in seven days. You can figure what the offspring of this mating will be worth.

The Consignment

No. 1—Cora Magda Pauline, five years old. Her sire is Jessie Fobes Mercedes. Her seven-day records made last summer are 26.16 lbs. butter and 471.9 lbs. milk. A grand individual and great producer and a sure 30-lb. cow. She has 513 lbs. of butter in her first 257 days on yearly test.

No. 2—Oakdale Hengerveld Segis, five years old. Last July she made 25.98 lbs. butter from 513.9 lbs. milk. Her yearly record at three years was 629.51 lbs. butter from 15,218.5 lbs. milk. A young cow with a great future. She is by a son of King Segis and from Lady Wayne Twisk 2d, one of the great foundation cows of the breed. We also consign two younger sisters of hers.

No. 3—Emma Myra Lyons, two years old. Seven-day record at two years, 17.3 lbs. butter, and in her first 269 days on yearly test has produced 474 lbs. butter from 9,556 lbs. milk. Another grand individual.

No. 4—Tidy Netherland Hengerveld. Here is one you will want. She has just freshened and made over 27 lbs.

Nos. 5 and 6—Oakdale Lady Johanna and Oakdale Johanna Wayne. These are full sisters and are half sisters to No. 2. The youngest will be fresh and tested before sale time.

No. 7—Segis Pontiac De Kol Beauty. She is coming two years old and is a real "beauty."

Our farm is near the sale grounds and we will furnish free transportation to our place before the sale if you desire to look over our herd.

We have a few young bulls with high record long- and short-time backing

Hargrove & Arnold Holstein Co. Norwalk Iowa

The Balsams Stock Farm

BALSAM RHODA CREAMELI E

(13 months old)

Sire: Dutchland Creamelle Pontiac Lad

Dam: Balsam Creamelle Rhoda Lilu

This bull combines a rare combination of production. His sire's pedigree is full of large yearly records. His dam is a 24-lb. senior two-year-old. His second dam has a semi-official record of 19,599.5 pounds milk, 782.72 pounds butter as a four-year-old, and 22,277.4 pounds milk, 872.9 pounds butter as a mature cow. You will like his pedigree, you will like him as an individual, you will like the production he transmits. Don't delay.

HENRY S. HALE, Owner P. A. CAMPBELL, Mgr.

DIXVILLE NOTCH, N. H.

USE *NATCO* DRAIN TILE

Farm drainage demands durable tile. Our drain tile are made of best Ohio clay, thoroughly hard burned—everlasting. Don't have to dig 'em up to be replaced every few years. Write for prices. Sold in carload lots. Also manufacturers of the famous NATCO IMPERISHABLE SILO, Natco Building Tile and Natco Sewer Pipe.

National Fire Proofing Company • 1173 Fulton Building, Pittsburgh, Pa.

The Home of BLOOD ROYAL

Blood Royal is the young bull we have selected to head the Silver Birch Herd. He is a son of Sir Veeman Hengerveld and his dam is a 21-lb. junior 2-year-old daughter of King Korndyke Sadie Vale. The second dam is a 34-lb. daughter of Sir Korndyke Pontiac Artis, and the fourth dam is Stella Veeman Wayne, a 27-lb. daughter of Sir Veeman Hengerveld. His ten nearest dams average over 30 lbs. Is he not correctly named?

Write for prices on some choice young bulls

FRANK H. HUETSON & SONS Mexico, New York

HURD FARMS

Offers for Sale

Hurd's Veeman Korndyke

Born Feb. 25, 1917

A promising young sire—backed by a wonderful combination of breeding. He is ready for service and is priced worth the money. Get busy on him.

HIS SIRE—Hilldale Korndyke Abbekerk is a son of a 30-lb. daughter of a 24-lb. cow and is by Friend Pontiac Korndyke—a 25-lb. son of Pontiac Korndyke.

HIS DAM—Princess Veeman Hengerveld 2d made 15.24 lbs. in 7 days and 64.42 lbs. in 30 days at 2 years 2 months. She is by a son of King of the Pontiacs and her dam is a 22-lb. 4-year-old daughter of Sir Veeman Hengerveld with 14 30-lb. daughters. The third dam is also a granddaughter of Sir Veeman Hengerveld, giving her two crosses of that great sire.

You can make no mistake on Hurd's Veeman Korndyke

HURD FARMS Elma, N. Y.

The Breeders Tell Us

DEATH OF PRINCE KORNDYKE BOY.

Prince Korndyke Boy, the bull that has been senior sire on the Tall Oaks Farm of Iowa, owned by Myron E. Talcott, was the only son of his illustrious sire, Pontiac Korndyke, owned in the state of Iowa. For this one reason alone his owner experiences a serious loss in his death which has occurred recently. The dam of Prince Korndyke Boy was Fairview Lottie Korndyke, a daughter of Dutchland Sir Pontiac Rag Apple. This gave him a very close relationship to more than one of the breed's greatest animals.

This bull was bred by former E. H. Dollar of New York and was purchased from him by Alex Chambers of Owatonna, Minn., where he was herd sire until November 1917 when he was secured by Mr. Talcott. Mr. Chambers owns several of his daughters and the only three which have been tested have made very good records. Mr. Talcott has obtained one of these daughters from Mr. Chambers and the bull calf from this cow will be used for the future herd sire in the Tall Oaks herd. The sire of this young calf is Prince Korndyke Boy himself. Having Pontiac Korndyke for a grandsire, Mr. Talcott's future sire will have 56 per cent of the blood of Pontiac Clothilde De Kol 2d, one of the 37-pound daughters of Pontiac Korndyke, whose seven-day record, by the way, was a world's record when made and she was likewise the first cow to produce 1,000 pounds of butterfat in a year. Mr. Talcott has shown wisdom in selecting a bull of this breeding to use in his herd.

A 20,000-POUND RECORD AT MR. ROE'S.

We are pleased to report that another member of our herd has just completed a 20,000-pound 365-day milk record. This time it is Honor Bright Beauty, a cow of most perfect type. She is a sister on her sire's side to Bellewood Roe 2d, who recently made a 31-pound seven-day record. Beauty's complete record for the year is 20,020.1 pounds of milk and 862.88 pounds of butter. Although her sire, Pride of Maplehurst Roe, has only 11 A. R. O. daughters, one has a 31-pound record and two have made over 800 pounds of butter in a year. We just recently sold Beauty's yearling son and the fortunate man was Frank Skinner of Norwich, N. Y. The sire of Beauty's son is our senior herd sire, King Pontiac Barnum De Kol, son of Spring Farm Pontiac Cornucopia, whose dam, K. P. Pontiac Lass, was the first cow to make a 44-pound record.

King Pontiac Barnum De Kol has possibly as nice and promising bunch of young daughters as any bull in the state of New Jersey and when 18 of his oldest ones freshen for the first time next fall they will be found right in the front ranks of the big producers or put me down as a poor judge. —Irving N. Roe, New Jersey.

BUY BULLS AND HEIFERS

from

World's Record 30-lb. Cows

Senior Herd Sire: COLANTHA SIR HARTOG 95459. Sire of world's (1) Champion Senior 2-year-old and youngest 31-lb. cow in world.

Junior Herd Sire: FINDERNE MUTUAL FAYNE VALDESSA 174999. The $21,500 bull.

FOR SALE: Exceptionally well bred young bulls; also a few females. Prices far below real value. Must sell to make room for increase. Photos, pedigrees and information cheerfully given.

VON HEIM FARM

HOME OF WORLD RECORD AND 30-LB. COWS

J. von HERBERG, Owner | KENT, WASHINGTON, Near Seattle | M. J. WALTHER, Supt.

Some Luck as Well as Good Sense

We sold a young bull last year out of a 19-pound two-year-old. The dam's dam had 23 pounds.

We have just made 28.20 on the dam and 29.62 on the dam's dam, and they are on thirty-day test now and keeping it up.

We have only three bull calves for sale today and one yearling.

Our Aims in Breeding: Yearly Production, Size, Conformation, Quality

ANTRIM FARMS

C. L. AMOS, Proprietor — SYRACUSE, N. Y.

We Have a Few Percheron Mares and Colts For Sale, Also

MAXWELL FARM

Home of

Sir Ormsby Skylark

Sire of Duchess Skylark Ormsby

CHAMPION RECORD COW OF THE WORLD

Consigns to the

Iowa Breeders' Association Sale

At Des Moines, Iowa, March 27th and 28th

2 Granddaughters of Sir Pietertje Ormsby Mercedes
1 Granddaughter of Johanna McKinley Segis
Several Daughters of King Segis Pontiac

All Bred to Sir Ormsby Skylark

1 Son of Sir Ormsby Skylark out of 25-lb. daughter of Rag Apple Korndyke
1 Son of Sir Ormsby Skylark out of 20-lb. 3-year-old daughter of King Segis Pontiac

Here is Your Opportunity to Get Foundation Stock

Will Be Glad to See You at the Sale

DAVID G. MAXWELL Waterloo, Iowa

The Breeders Tell Us

MORE GOOD BREEDING AT IOWA SALE.

A 17-year-old cow that has shown great prepotency and remarkable breeding qualities is Lady Wayne Twisk 2d. She is one of the foundation cows in the Hargrove & Arnold Holstein plant of Iowa. She has a seven-day record for butter made ten years ago of nearly 23 pounds. Three of her daughters have made exceptional showings under conditions which have been anything but satisfactory. These daughters are as follows: Sadie Cornucopia Wayne, 31.42 pounds of butter in seven days and 115 pounds in 30 days; Oakdale Hengerveld Segis, 25.98 pounds of butter in seven days and a semi-official record made as a three-year-old of 629 pounds of butter. The third daughter has a seven-day record of over 20 pounds of butter.

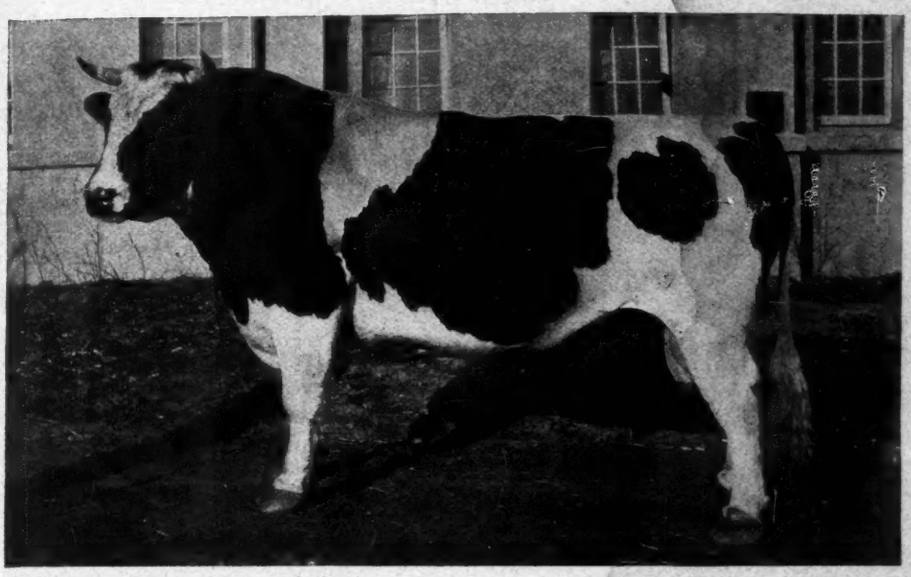
At the Iowa Breeders' Sale at Des Moines three splendid daughters of this old cow will be offered. One of these is Oakdale Hengerveld Segis, just mentioned. This young cow is sired by King Segis Hengerveld Vale, a son of King Segis from Sadie Vale Concordia 3d's Hengerveld, a 28-pound daughter of Hengerveld De Kol. Oakdale Hengerveld Segis and her two sisters are well along with calf to King Mutual Korndyke, the son of the champion yearly record two-year-old, Finderne Mutual Fayne.

Lady Wayne Twisk 2d, a foundation cow in the Hargrove & Arnold Holstein Plant of Iowa. Three of her daughters will be sold in the coming Iowa Breeders' Sale.

Cora Magda Pauline, a young 26-pound cow consigned to the Iowa Breeders' Sale by the Hargrove & Arnold Holstein Plant.

One of the other features from the Hargrove & Arnold consignment is Cora Magda Pauline, described in their page ad in this issue and whose picture is presented herewith. She is a grand individual and has seven-day records of 26.16 pounds of butter from 471.9 pounds of milk. She is one of the kind that has every indication of a better record than she is now credited with. She is being run on yearly test and in her first 257 days has produced 513 pounds of butter from over 1,100 pounds of milk. A cow of this kind will be a valuable addition to anyone's herd.

Iowana Farms at Iowa Breeders' Sale



Sir Johanna Fayne 42147

Our Offerings at Des Moines, March 27th and 28th, Include—

A HEIFER sired by **Sir Johanna Fayne,** the only living bull with four daughters with records above 23,000 pounds milk in a year. This heifer is bred to **Iowana Waldorf Homestead,** a son of **Fryslan Waldorf,** former holder of world's yearly milk record in the junior four-year-old class, and **Oak De Kol Ollie Homestead,** Grand Champion Holstein bull 1916 and 1917.

TWO OTHER HEIFERS bred to **Iowana Waldorf Homestead.**

TWO GOOD COWS bred to **Sir Johanna Fayne.**

TWO GOOD COWS, one with a 22-pound two-year-old record, and the other a granddaughter of **Hengerveld De Kol,** bred to **Oak De Kol Ollie Homestead.**

A BULL CALF out of **Miss Chloe Fayne,** 740 pounds butter from 18,577 pounds milk, as a junior four-year-old, and sired by **Oak De Kol Ollie Homestead.**

A BULL old enough for service, a prize winner, out of **Springbrook Cornucopia Julia,** 726 pounds butter from 16,000 pounds milk as a three-year-old, and sired by **Sir Johanna Fayne.**

TWO GOOD HEIFER CALVES.

All tuberculin tested and will give a guarantee for 60 days subject to retest.

IOWANA FARMS **Davenport, Iowa**

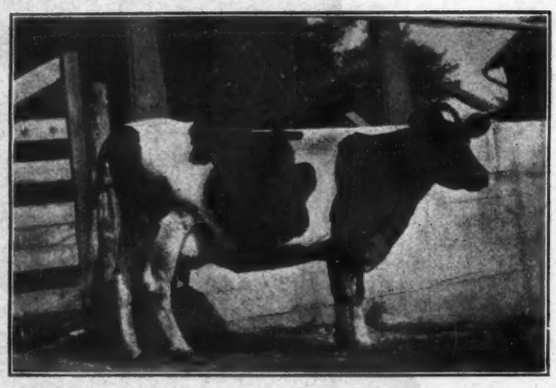
The Breeders Tell Us

TWO GOOD ONES IN THE ROE HERD.

The Roe herd in New Jersey has just completed its second yearly record above 20,000 pounds of milk. This time it is Honor Bright Beauty, a daughter of Pride of Maplehurst Roe, that is a son of Beryl Wayne's Son. Honor Bright Beauty freshened at the age of 8 years 2 months and made 19.80 pounds of butter from 493.1 pounds of milk in seven days and now completes her year with 20,201 pounds of milk and 862.88 pounds of butter. In this splendid performance Honor Bright Beauty shows unusual persistency. She averaged over 16.50 pounds of butter each week of the year and 388.4 pounds of milk, or an average of 55.5 pounds of milk per day. Here is a splendid example of the value of the yearly test as compared with the seven-day work. Judging her by her short-time showing, we would be forced to class her as just an ordinary producer, but her 365-day work proves her quite out of the ordinary in this respect. Honor Bright Beauty is a sister to Bellwood Roe 2d that recently made better than 31 pounds of butter after having made a year's record of 822 pounds of butter from 18,609.2 pounds of milk.

The other 20,000-pound member of the Roe herd is Mary Johanna Walker, a cow that has twice made in excess of 800 pounds of butter. She has a seven-day record of 21.48 pounds of butter from 499.7 pounds of milk made at five years, and a semi-official record of 20,368.5 pounds of milk and 840.2 pounds of butter made during 1915-1916. Again in 1916-1917 she made a second year record of 859.88 pounds of butter from 19,731.7 pounds of milk, giving her an average of better than 20,000 pounds of milk and 850 pounds of butter for two successive years. Her sire is Admiral Walker Lilith, a son of Admiral Walker Pietertje, whose daughters were also very successful under semi-official test.

We are pleased to show a likeness of these two cows for they look the part of their performance, and their owner must derive pleasure from the ownership of two such animals.



Two cows in the herd of Irving N. Roe that have finished yearly records with above 20,000 pounds of milk. They are Honor Bright Beauty, at the left, 862.88 pounds of butter from 20,201 pounds of milk, and Mary Johanna Walker at the right with 840.2 pounds of butter from 20,368 pounds of milk.

MORE RECORDS AT FRIESLAND FARMS.

The Friesland Farms of Nebraska have the honor of producing the first 30-pound cow for that state and the record of Niva Kalmuck, whose record of 45 pounds of butter was made a short time ago, was the highest excepting one, ever made west of New York.

The latest from this herd is a 30.23-pound record of butter produced from 538.4 pounds of milk in seven days. This record was made by Segis De Kol Johanna 2d, the oldest daughter of King Segis Lyons. Another daughter of this bull is on test and if favorable conditions continue throughout her seven days, her record will equal that of her sister just mentioned.

These people are setting the pace in Nebraska and what they are accomplishing will no doubt be a stimulus towards making the Holstein-Friesian breed still more popular in that state.

The "Pontiac" Herd

Established 1886

"Where the Champions Come From"

OFFER THE FOLLOWING BULL CALVES:

No. 575. Born March 17, 1917. Price $250. Sire, Pontiac Carlotta Burke. Sire's dam, 26 lbs. Sire's granddam, 23 and 21 lbs. Dam, Pontiac Genius, 25.05 lbs. Dam's dam, 18.0 lbs. Dam's granddam, 17 lbs.

No. 577. Born March 21, 1917. Price $259. Sire, Pontiac Korndyke Lad. Sire's dam, 22 lbs. Sire's granddam, 15 and 26 lbs. Dam, Pontiac Quadroon, 26.75 lbs. Dam's dam, 19.38 lbs. Dam's granddam, 26 lbs.

No. 578. Born March 24, 1917. Price $250. Sire, Pontiac Carlotta Burke. Sire's dam, 26 lbs. Sire's granddam, 23 and 21 lbs. Dam, Pontiac Hester, 25.04 lbs. Dam's dam, 16.98 lbs. Dam's granddam, 17.75 lbs.

No. 579. Born April 1, 1917. Price $250. Sire, Pontiac Korndyke Lad. Sire's dam, 26 lbs. Sire's granddam, 23 and 21 lbs. Dam, Pontiac Bethna, 24.075 lbs. Dam's dam, 23.37 lbs. Dam's granddam, 22 lbs.

No. 587. Born June 7, 1917. Price $350. Sire, Pontiac Rochester Burke De Kol. Sire's dam, 23 lbs. Sire's granddam, 21 and 22 lbs. Dam, Pontiac Nyx, 27.696 lbs. Dam's dam, 27 lbs. Dam's granddam, 19 lbs.

Others ranging in price from $50 up.
Ask for extended pedigrees, which will be cheerfully furnished. "Pontiac" is the place to buy your next sire. Come and see us.

PONTIAC STATE HOSPITAL PONTIAC MICHIGAN

Blue Book

Every Holstein-Friesian Breeder Needs the Blue Book to Aid in Making His Breeding Operations Successful.

Have you subscribed for the 28th volume? You cannot afford to be without it. All experienced breeders consider the book indispensable in tracing the breeding and relationship of A. R. O. animals.

The 28th volume is now ready for distribution, and contains 1,409 pages of condensed information relating to Holstein-Friesian cattle, including the whole Advanced Register of last year. The official name of the book is Advanced Register Year Book, and the price of the 28th volume is $2.25 per copy to all alike. A limited number of copies of the 24th, 25th, 26th and 27th volumes is yet on hand, and may be had at $2.00 per copy, while they last. Be sure to designate which volume you want, and send all applications with price to

M. H. GARDNER, SUPT. A. R.
Delavan, Wisconsin

A BULL OF ROYAL BREEDING

Westkota Hester Cornucopia

210436

Born October 21, 1916.

His three nearest dams average butter 7 days, 38.771 lbs.; 30 days, 149.50 lbs.

The records of his two granddams were world's records when made.

The records of his dam and her dam were world's records for dam and daughter at the time made.

His sire has seven A. R. O. daughters from 20.25 lbs. butter in 7 days to 29.10 lbs.

He is now ready for heavy service.

CAN YOU USE HIM?

WESTKOTA FARM

M. J. SMILEY, Owner **BELLE FOURCHE, S. D.**

100 HEAD

Kansas Breeders' Consignment Sale

100 HEAD

of 100 Head of Purebred Holstein-Friesian Cattle

Consigned by 20 of the leading breeders of the state

at the FAIR GROUNDS SALE PAVILION at

TOPEKA, KANSAS, MARCH 26, 1918

The sales management has had much difficulty in persuading the breeders to consign the class of cattle that will be offered in this sale, because they are the kind that every enterprising breeder wants to keep, but in order to make this the greatest event and sale ever held in Kansas, they are making a sacrifice and are offering you the opportunity to purchase the very cream of their herds. **Every animal in this sale is tuberculin tested and without a blemish and positively guaranteed by the consignors all of whom are members of the Kansas Holstein-Friesian Association and known by the sales committee to be men of integrity.**

Resolve now to attend this sale of all Kansas sales, where you may buy a foundation herd and procure cattle of such outstanding breeding and individuality that will make you proud every day that you own them, and that will return dividends, not like your bank stock, annually or semi-annually, but each day, for the 365 days in the year.

Don't miss this sale, mark the date on your calendar now, and write at once for a catalog to W. H. Mott, Herington, Kansas.

F. J. Searles, proprietor of Sun Flower Herd, Oskaloosa, Kansas, finds himself without a home, having sold his farm Feb. 16th, and he must give possession March 1st. This means the complete dispersal of his excellent herd of registered Holsteins, consisting of 75 head of cows and heifers of the most fashionable breeding and superb individuality. On March 27th, following the Kansas Breeders' Sale, at the fair grounds barn, this entire herd will be dispersed. The cattle will be in the fair grounds barns and can be seen prior to the sale. For catalogs of this sale, write at once to F. J. Searles, Oskaloosa, Kansas.

Auctioneers—B. V. KELLEY, J. E. MACK, J. T. McCULLOCH, BOYD NEWCOM and C. M. CREWS

100 HEAD

WE WOULD LIKE TO KNOW WHERE YOU SAW OUR ADVERTISING

100 HEAD

THE WORLD'S FASTEST *and* HEALTHIEST MILKER

More than a claim—a fact proved by official tests. It is made possible by the Sharples patented compressed air principle. This gives a positive "upward squeeze"—keeping teats healthy and permitting fast milking, which increases the milk flow.

SHARPLES MILKER

D. W. Good, Sterling, Ill., writes: "I am getting more milk with a Sharples from the same number of cows." One man can easily milk 30 cows an hour with a 3-unit Sharples outfit—quicker than any other way. Solves the help problem. Over a half million cows are milked daily by Sharples—and remarkable results are being secured. Write for catalog today to nearest office, addressing Dept. 45.

The Sharples Separator Co. West Chester, Pa.

Branches: Chicago San Francisco Toronto

DC-24

WATCH YOUR CALVES

At the first indication of scours or cholera give them

Dr. David Roberts' CALF CHOLERA REMEDY

PRICE $1.00

For scours in cattle, horses and hogs. Used and recommended by thousands of dairymen and stock owners. Read the **Practical Home Veterinarian.** Send for free booklet on Abortion in Cows. If no dealer in your town, write

DR. DAVID ROBERTS' VET. CO., Grand Ave., WAUKESHA, WISCONSIN

MARBLE VALLEY STOCK FARM

HOME OF KING SEGIS PONTIAC ALCARTRA LAD 166569

the bull whose breeding and individuality is (A Little Bit Better Than Really Seems Necessary). Sire—King Segis Pontiac Alcartra, the noted $50,000 bull. Dam—Meta Hengerveld, 30.15 lbs., one of the nine 30-lb. daughters of Hengerveld De Kol. For pedigree and picture write

ROBERT F. MEAD, West Rutland, Vt.

KING NETHERLAND SEGIS KONIGEN

Three Nearest Dams of Sire		Three Nearest Dams on Dam's Side	
K. P. Diona Pietertje	40.15	Lady Netherland Pontiac	43.59
Pontiac Clothilde De Kol 2d	37.21	Diona Konigen Pietertje	37.44
Diona Konigen Pietertje	37.44	Dretka Netherland 2d Lass	29.37

Average—37.5 lbs. butter; 628.7 lbs. milk, seven days

SIRES IN FOUR-GENERATION PEDIGREE

King of the Pontiacs, twice; King Segis; King Segis Pontiac; King Segis Pontiac Konigen; King Pontiac Konigen; Sir Beauty Mechthilde

Do you want such blood?

Service $250 now Will be higher soon

H. B. AYERS 7130 Meade St. **Pittsburgh, Pa.**

Professor Dice Comes Back

(Continued from page 17.)

ica has produced many champions in their respective classes. Some of these breeds have fallen while others keep gaining in strength year by year. The association back of a breed is one of the determining factors of its success.

Let us consider the experience of other associations and we will learn that they have not stood still—they have either grown stronger or weaker, and just as soon as they reached that stage where they became satisfied with themselves and their past, they have usually lost ground unless they have had a very good breed to support them.

We all have faith that the Holstein-Friesian cattle could do even this but shall we ask them to bear this burden?

The boys in school today are the threads from which the Holstein fabric of the future will be woven. We cannot afford to ignore them. We should not "stand pat."—J. R. Dice, New York.

LIFE AT COLONIAL FARMS.

The French Creek valley, in which the village of Wattsburg is located in one of the most fertile sections in the state of Pennsylvania, is noted for its fine farms among which is one of some 250 acres known as Colonial Farms, the property of J. B. McDannell of New York.

At the time of its purchase several years ago it was almost in the abandoned class, but today represents one of the most complete farms in the valley. The barns have been remodeled and arranged to make them comfortable, and at the same time convenient. Every modern feature in the way of stalls, mangers, drinking cups, etc., has been installed, affording every comfort for the animals.

Three farms have been added to the original purchase, bringing the acreage to about 250. It was Mr. McDannell's intentions to establish a farm for horse breeding, but the advent of the automobile changed all the plans so that now the noble Holsteins grace the stalls.

A grandson of old Pontiac Korndyke, from a 33-pound daughter of King Segis De Kol Korndyke, heads the herd which has been selected with a keen regard for individuality.

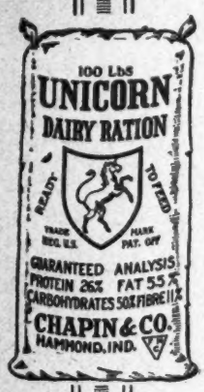
Mr. McDannell takes great pride in his establishment and here's the invitation he tenders you, "Come to Wattsburg—our home in this beautiful valley where nature has been generous with her charms. Take a ride on the old mill pond with its water lilies; sleep and be awakened by the song of the bobolink; breath the refreshing air of the valleys and hills; drink the pure water, and you will concede that life at Colonial Farms is worth living."

A MISSIONARY IN OHIO.

Frank Buck, proprietor of Brookmead Stock Farm, of Ohio, writes: "Ed Meyers of this state has just purchased two heifers from me. These animals are elegant individuals, 18 months of age, and are in calf to my herd sire, Odgen Royalton Duke. He also took with him a six-months-old bull calf, so he now has a nice start

WHAT COWS CAN DO.

All a good cow needs is good feed and good care to show what she can do. Here are just a few Unicorn fed cows:



Ohio

Ten 25000 lb. (A. R. O.) cows average in one herd fed on Unicorn. Three 1000 lb. fat records. Ten year old makes 1000 lbs. fat.

Illinois

One herd has 15000 pounds average. Fed on Unicorn for four generations.

Michigan

The best Guernsey record in the state. The highest producing large Holstein herd. The best Jersey herd.

New Hampshire

The highest Holstein herd.

Indiana

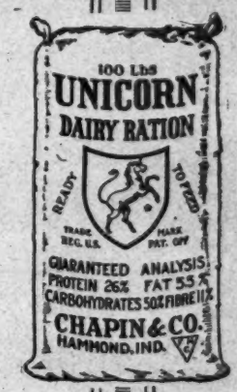
The three highest Holstein year records.

Iowa

Highest average Holstein herd.

New York

Best 2 year old Guernsey record.



Unicorn is the feed you need for economy and production.

Chapin & Co., Dept. S Chicago, Ill.

in the purebred business and I think he needs the World to make his outfit complete." Accordingly Mr. Buck has applied the remedy and places Mr. Meyers on the World's subscription list.

The herd sire at Brookmead Stock Farm is a bull of exceptional merit. His dam is Lady Jufrou 2d. She is a cow showing enormous capacity and has demonstrated her producing ability by making 30.12 pounds of butter from 590.5 pounds of milk in seven days. The sire of Mr. Buck's bull is a son of the high yearly record cow, Royalton De Kol Violet. This cow is one of the typical representatives of the breed and is owned by Mr. McQuillin of the same state. She has seven-day records made at ten years of age of 30.23 pounds of butter from 735.2 pounds of milk. She is a cow showing wonderful milk production and has a yearly milk record of 29,963.3 pounds, and a butter record of 1,300.4 pounds. It will thus be seen that this bull has high producing ancestry that have combined with their large records extra good individuality.

THE FIRST TWO TESTED

The first two daughters of Waconda Sir Cornucopia Korndyke 113684 to be tested have made as follows:

No. 1—at 1 year 11 months 6 days, who dropped a calf at 7 months, has a record of 21.67 lbs. butter and 373.7 lbs. milk in 7 days, with 4.64 per cent fat.

No. 2—at 2 years 2 months, has a record of 17.365 lbs. butter and 338.2 lbs. milk in 7 days, with 4.1 per cent fat.

Owned by DAVID B. H. DALRYMPLE, Otselic, N. Y.
L. D. UPHAM, Lebanon, N.Y. C. S. HOLCOMB, Plymouth, N.Y.

Many a man has found out the value of an ad in the World. Have you?

Ormsby Korndyke Lad

Is getting 30-lb. daughters fast and they are making their records at early ages

A 32-lb. 4-yr.-old; a 31-lb. 4-yr.-old; a 29-lb. 4-yr.-old.

HIS GRANDSONS, by Cornucopia Ormsby Lad (whose Dam is Ada Cornucopia Posch, 33 lbs.) are for sale by us from $100 up.

Full particulars at

BLACRES - Wellsboro, Pa.

GIVE THIS THE ONCE OVER

Just Bulls? NO, REGULAR BULLS. Sire, a 34.49-lb. son of S. P. M. and he's got a 42.31-lb. sister. Dams, daughters of Colantha Johanna Champion, a son of Colantha 4th's Johanna, 35.22 lbs., and the only cow with all world's records. Sure champions. Got 30-lb. daughters, five of 'em. World's records in their pedigree and you don't have to hunt to find them, either.

W. J. Gillett & Sons "HOME OF THE JOHANNAS" Rosendale, Wis.

BULL CALVES

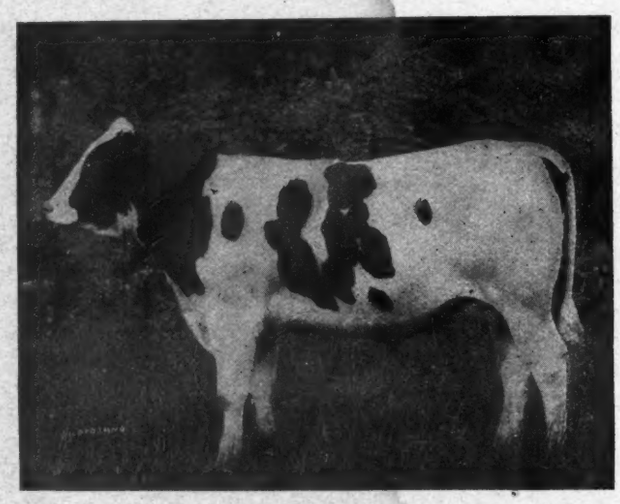
FOR QUICK SALE—A few choice young bull calves from a grandson of Hengerveld De Kol and from tested dams. Price $50 to $75.

Chenango Farms Hamilton, N. Y.

Bigelow's Holstein Farms

BREEDSVILLE, MICHIGAN

FLANDERS FARMS, ORCHARD LAKE, MICH.



KING OF THE PONTIACS SEGIS 169124

At the head of our herd.

A few of his sons whose dams are A. R. O. cows for sale at bargain prices.

FLANDERS FARMS - ORCHARD LAKE, MICH.

THE NEBRASKA HOLSTEIN BREEDERS' SALE.

The first annual sale of the Nebraska Holstein-Friesian club will take place at Lincoln on the 17th of next month. It can safely be said that few, if any, sales have ever been held in this section which contained as much stock of high class breeding as will be found in this forthcoming sale.

Around 70 head of stock are consigned. Features of the sale will be several young females in calf to the $10,000 sire of the world's record junior four-year-old, Lady Netherland Pontiac. These choice animals come from the well known Woodlawn Dairy herd. A son of Rag Apple Korndyke 8th will be an uncommon offer. It is seldom one of these sons is offered at public auction. A few other young bulls of extra good backing will be consigned. One is from a 30-pound dam, and another from a good A. R. O. dam will be sold and the receipts given to the Red Cross.

H. L. Cornell consigns several head, and all the females in his consignment will be in calf to King Segis Pontiac Klaver. This young bull won high honors in the show rings of last fall, being junior champion amongst hot competition at the New York State Fair, and won first in his class at the National Dairy Show.

The consignment of J. B. Branson includes the son of Rag Apple Korndyke 8th, before mentioned, and among the females, five which are in calf to this young sire. Mr. Branson also consigns five granddaughters of Pontiac Korndyke and one grandson of this great sire. A grandson of Rag Apple Korndyke 8th, one of King Segis Pontiac, and several females with A. R. O. records as high as 28 pounds of butter in seven days will also be included.

The complete list of consignors are: J. B. Branson, H. L. Cornell, Woodlawn Dairy, J. F. Bunte, H. C. Langan, C. J. Furry, and A. W. Pekarek. Catalogs for the sale may be obtained from Dwight Williams, the manager.

17 "OUT OF" 18 WERE HOLSTEINS.

The Montgomery County Cow Test Association, located in the county by this name in Kansas, is one of the most progressive associations in the state and in the part of the country where it is situated. The report of this association for January by G. L. Eichler, the tester, shows no less than 18 head of cows that have produced 40 pounds and upwards of butterfat for the month. The significant thing in this connection is the fact that it took 17 Holstein cows to make this possible. Only one cow of another breed produced this amount and she stands in fifth place. The average production of these 18 head is slightly over 50 pounds.

Last year, in spite of all the difficulties, the farmers planted the largest acreages in the history of the nation, harvested record crops of most important things except wheat, and succeeded in greatly increasing the number of livestock.

Every dairyman should make sure of his ensilage supply.

The Exclusive Sire

King Korndyke Sadie Vale
Born January 29, 1911

In a Class by Himself

THE ONLY SIRE having a 40-lb. dam and a 40-lb. daughter.

THE ONLY SIRE with a 40-lb. dam, a 40-lb. sister and a 40-lb. daughter.

THE ONLY SIRE having a 40-lb. daughter, with an average of 39 lbs. for his two nearest dams, and 36 lbs. for his three nearest dams.

THE ONLY SIRE with four second calf heifers all exceeding the 31-lb. mark and averaging 34.55 lbs. A showing unapproached by any other sire.

THE ONLY SIRE with a daughter to make 40 lbs. at 3 years of age after dropping twin calves.

THE ONLY SIRE with a daughter to make over 29 lbs. at the tender age of 24 months.

HIS DAM was the first 40-lb. cow with a 38-lb. daughter.

HIS SIRE was the first bull of the breed to have a 40-lb. 4-year-old daughter.

HIS DAM'S DAM was the first 30-lb. cow.

HIS SIRE'S DAM was the first 37-lb. cow and the first cow to produce 1,000 lbs. butterfat in one year.

HIS SIRE'S SIRE is the only bull in the world with three 40-lb. granddaughters.

His Entire List of Tested Daughters at an Average Age of Two and One-Half Years Average for the Seven Days—Butter, 25.13 lbs.

A five-months-old son sold in public sale for.....$12,000
A six-months-old son sold in public sale for.....6,500
An unbred daughter sold in public sale for.....6,100

Get a "Sadie Vale" bull, the kind the public wants. Some splendid sons can be offered just now. Let me tell you about them.

W. D. ROBENS POLAND, N. Y.

Great Producing Dams

(Continued from page 14.)

30-pound daughter that has also made over 1,200 pounds of butter in one year from over 25,000 pounds of milk.

In other words, she has produced one of the 13 only three-generations of 30-pound cows. She has produced directly, through the maternal side, the only mother and daughter that have made over 30 pounds of butter in seven days and over 1,200 pounds of butter from over 25,000 pounds of milk in one year.

Burton Highlawn 2d has won a place among the greatest producing and transmitting cows in the world and has certainly done her share toward the improvement and the upbuilding of the greatest milk and butter producer in the world—the Holstein-Friesian cow.

SOLD!!!!

He is a good one—that's why he went to the Wilco Farms of Willisville, Ill.

His name is Sir Pietertje Maid Ormsby.

He was sired by Sir Pietertje Ormsby Mercedes, that great son of that great cow, Pietertje Maid Ormsby. His dam is a 30-lb. sister to this same great cow. Yes, he is one of the desirable kind and he will be given a real chance in his new home.

We might have a bull you could use if you are particular about the kind you buy.

POPULAR HOLLOW STOCK FARM

Bertram D. Scott, Prop. **Station F, Minneapolis, Minn.**

Avondale Farm Offers

Note the attractiveness of some of the young bulls that are being offered.

No. 4—Born October 9, 1917. Nearly white, a grand individual sired by Champion Echo Sylvia Pontiac. Dam, Belle Model Pontiac, a 21.50-lb. two-year-old daughter of Belle Model Johanna 2d, a twice 37-lb. cow.

No. 7—Born March 1917. Another grand young bull, choice individuality, half white. Sire as above. Dam, a 24-lb. four-year-old daughter of Rag Apple Korndyke 8th. Her dam, 24 pounds. The only bull in the world combining Rag Apple Korndyke 8th and May Echo Sylvia.

No. 8—Born December 16, 1917. By same sire. A fine individual. Dam, Woodcrest Pietje Lockspur, a 26.66-lb. daughter of Pietje 22d's Son. Her dam, 31.77 pounds. A great bred calf at a bargain.

We cannot hold the sons of this great sire. Apply at once for pedigree and description.

H. Lynn **AVONDALE FARM** **BROCKVILLE ONT., CANADA**

PUBLIC SALE

32 registered Holsteins and 60 grades will be sold at Elmer H. Ridgeway's annual sale to be held in his sale pavilion near Dalton, Pa., on Saturday, March 23d. We have bought the entire milking herd of registered Holsteins of C. L. Snyder, Kingsley, Pa., and will sell them in this sale. In this herd are 10 3-year-olds, 9 4-year-olds, and all but 3 are under 8-year cows, with records from 12 to 21.19 lbs. A granddaughter of Woodcrest Dora De Kol with record of 468 lbs. milk and 21.19 lbs. butter. A cow with record of 640 lbs. milk and 25.93 lbs. butter and her 4-year-old daughter. Granddaughters of De Kol Burke, Hengerveld De Kol 3d and Hengerveld De Kol 5th. Fresh cows and springers, both in registered and in grades. Registered cows are tuberculin tested. Will meet buyers at trains on D. L. & W. and S. & B. Trolley at Dalton. Dinner will be served.

Elmer H. Ridgeway

R. D. 2 **Factoryville, Pa.**

CONCERNING BUTTERFAT AND ITS SUBSTITUTES.

The oft-repeated statement that we are now hearing so much about of late in the papers that "fat was fat" needs to be taken with some grains of allowance. The oleomargarine people are taking advantage of this fundamentally wrong statement to exploit cheap products as substitutes for butter. The experiments carried on by F. B. Osborne, of the Connecticut Experiment Station, Dr. Mendel of Yale, and E. V. McCollum, of the Wisconsin Experiment Station, are peculiarly interesting and prove beyond a doubt the real value of butter —viz., that butterfat not only yields energy and heat as do other fats, but that it contains something more vital than other fats—a principal which, like proteids, supplies the elements necessary for growth and life itself.

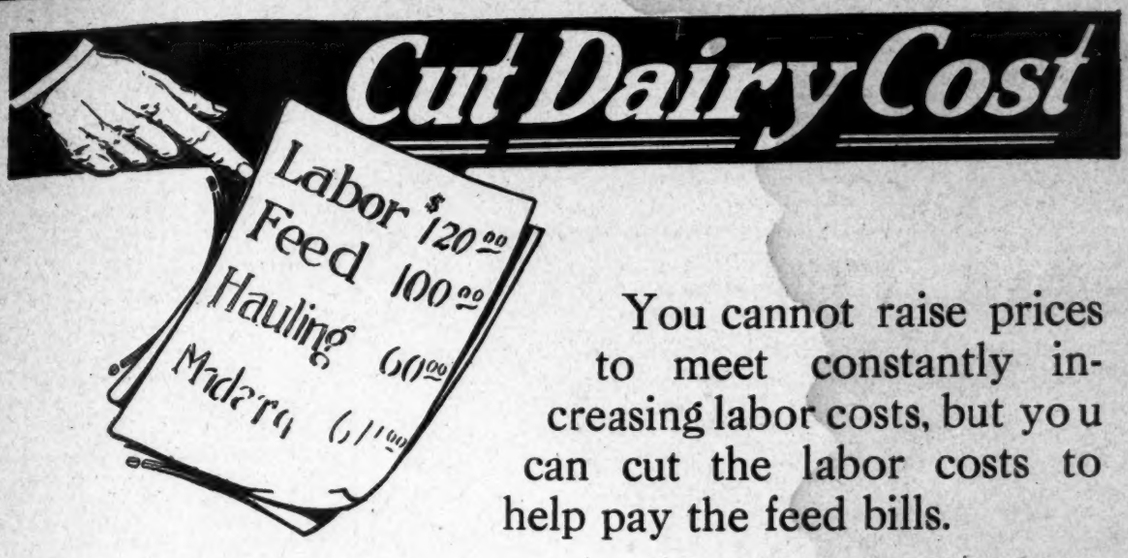
In experiments carried on with white rats, the young rats were fed various diets composed of chemically pure protein, starch, sugar and various salts, and got along splendidly for the first three months, when they lost appetite, fell off in growth, and finally starved. Many changes were made in their diet to make it more palatable. When butterfat was substituted for the lard which was used as the fat in the ration, the little animals immediately began to grow, just as when milk was fed. It was evident that butterfat supplies something necessary for growth which lard could not supply.

Other experiments were carried on to determine whether other fats from the animal or vegetable kingdom would produce the same effect as had butterfat. Experiments with tallow, olive oil, corn oil, cottonseed oil and peanut oil proved futile, while the fat of eggs and fat extracted from the cells of pig's kidney produced the same result as did butterfat. Thus it seems evident that the fats obtained from the living protoplasm of the animal have this property of inducing growth after growth has ceased. Thus far no plant fat has been found to possess this power.

Summing up we find that butter and dairy products are available for heat, energy and growth; while other fats produce only heat and energy. In the light of these experiments and observations, it behooves the housewife to give the most careful consideration to the results of these recent investigations before she decides to eliminate butter and other dairy products from the diet of her family. We find articles coming through various newspapers boosting substitutes by misleading the public in their statements of "just as good, or better than butter."

The plan of selling off valuable dairy cows that are paying good returns, just because they will bring a little cash, cannot be too quickly condemned, if the herd is to be maintained at its maximum of efficiency and pushed to a higher standard.

How many records have you made this winter? Tell us about them. Others will be glad to know and it may help you later on.



You cannot raise prices to meet constantly increasing labor costs, but you can cut the labor costs to help pay the feed bills.

These are times when extra labor is not only economic waste, but a waste the country cannot afford. Every man and every bit of his labor is needed to win this war. Save your own money, and save your country's labor by installing a cost cutter, the

UNIVERSAL
MILKING MACHINE

Many of the best herds in America are milked by this machine with perfect satisfaction to all concerned.

Its superiority is found in the remarkable Universal teat cup, which is the nearest possible mechanically to the action of the calf in suckling; the alternating action on two quarters at a time, and the remarkably simple and effective horizontal pulsator.

The simplicity, durability and effectiveness of the Universal Milker are apparent wherever the machine gets a fair opportunity to show its usefulness.

Our catalog, together with some interesting literature on the question of hand stripping, will be mailed on request. Write for it today!

The Universal Milking Machine Company

16 W. Mound St. Columbus, Ohio

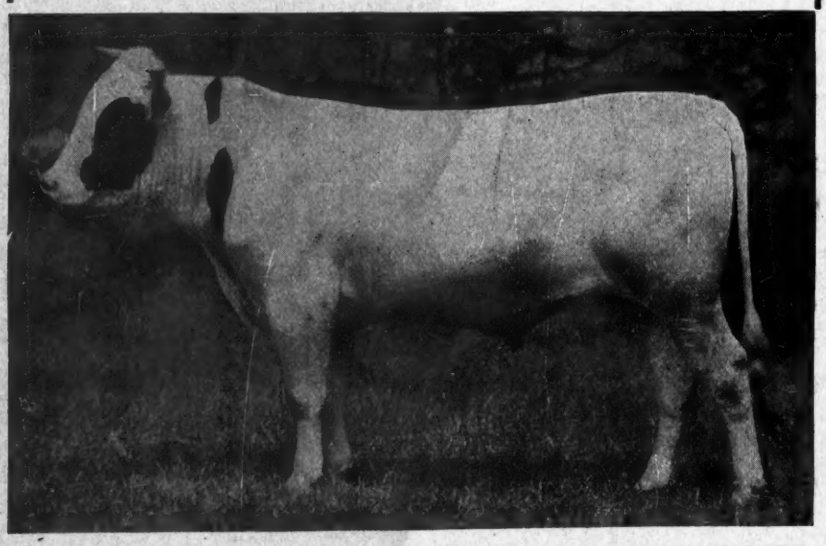
Bloomingdale Herd

SOMERVILLE, N. J.

A. A. CORTELYOU, Proprietor
JACOB REGER, Superintendent

Below is a likeness of our senior sire, **King Pontiac Fayne Alcartra,** that we believe to be the very best son of **King of the Pontiacs,** The King of all Kings, and whose dam is **Alcartra Fayne Burke** (30.90 lbs. butter) and her dam is **Alcartra Polkadot Ormsby** (31.24 lbs. butter), that in turn is from **Alcartra Polkadot** (29.09 lbs. butter).

I recently paid $2,000 for his dam in order to bring her to Bloomingdale for I am confident she can very materially increase her present record. Breeders that avail themselves of the opportunity to secure one of his sons now will benefit in no small degree. I have some choice ones that I can show you.



A VOLUNTEER FOR SERVICE IN YOUR HERD

TALL OAKS PONTIAC DE KOL PRINCE

From a 30-lb. sire and a 19.555-lb. junior 4-year-old dam. A big, lively yearling—going to you for $175

TALL OAKS FARM Myron E. Talcott, Prop. RANDALIA, IOWA

ZUYDERZ SUPERIOR VANDER LEI

Born Sept. 10, 1917, from a granddaughter of Hengerveld De Kol and backed by Colantha Johanna Lad, Blanche De Kol Hengerveld, 33.20, Pietje 22d, 31.62, Colantha 4th's Johanna, 35.22, and Pietje Vander Lei Lad, the 5.06 per cent fat bull. Won't last long at the price.

ZUYDERZ HOLSTEINS L. B. TAYLOR Lake Mills, Wis.

LORENZO FARM

CAZENOVIA, N. Y.

Inquiries asked for
A. R. O. Cattle

CHAS. S. FAIRCHILD

Hoosier Herd

Offers extra good grandsons of PONTIAC KORNDYKE. Also heifers and cows.

S. P. Scherer, Fishers, Ind.

OPPORTUNITY

Get granddaughters of Tidy Abbekerk Prince from high producing dam at reasonable prices. Calves old enough to ship. Nicely marked and grand individuals.

Henry Lathrop & Sons Sherburne, N. Y.

Another World's Record

It has recently been reported among Holstein breeders that the Auctioneer's Long Distance Record is in danger of being set at a new mark. Freshening for his twentieth year of active service in Holstein sales, the record is now being challenged by

B. V. KELLEY, Syracuse, N.Y.

WHEN IN NEED OF AN AUCTIONEER

Let White Do It

Long experience with Holsteins and thorough training in Jones' Auctioneering School, Chicago.
Dates made anywhere.

ROY WHITE
Woodstock Illinois

AUCTIONEER

Holstein Cattle a Specialty

Satisfied Customers my best advertising. Please write for dates.

COL. GEORGE W. BAXTER
Troy Bradford Co., Pa.

YOUR HOLSTEIN SALE NEEDS

MACK

Always on the job--for RESULTS

In the box or in the ring
For dates address
COL. J. E. MACK
Ft. Atkinson Wisconsin

Auctioneer

A lifetime's experience with Holsteins and selling sales all over the United States and Canada. "That's Us." Perhaps we can make you a Dollar.

R. E. HAEGER
Algonquin Illinois

Thos. E. Deem

DAIRY AUCTIONEER

Your satisfaction—my greatest asset. Holstein sales given special attention. Satisfy yourself that I "Know How" and write me at CAMERON, MO.

THE surest road to best results is by way of an advertisement in the Holstein-Friesian World
Syracuse, N. Y. : Waterloo, Iowa

Notice To Holstein Breeders

CHOICE HOLSTEINS

WANTED

The Selection of My Herd Is About To Begin

Numerous replies to my advertising have been received, but I am still interested to hear from breeders who wish to sell choice cattle of superb INDIVIDUALITY and BREEDING.

REMEMBER—only the best shall receive consideration for this herd must represent QUALITY in individuality and breeding backed up by good records. My specifications are as follows:

We are establishing an accredited herd under Federal supervision—free from tuberculosis.

Everything purchased will be subject to Federal test.

Only high class individuals will be considered.

The Bull

must be a 40-lb. bull. He must be 6 to 12 months old. He must pass the tuberculin test as prescribed by the Bureau of Animal Industry. His dam must have a record of 40 lbs. or better and one or more A. R. O. daughters; his granddam, 30 lbs. or better and one or more A. R. O. daughters; and his great granddam, 25 lbs. or better. His sire must be one of the most noted bulls of the breed and have more than 80 A. R. O. daughters. His dam must have better than 37 lbs. and one or more A. R. O. daughters; her dam, 25 lbs. and one or more A. R. O. daughters. His sire must be a noted bull and have 40 or more A. R. O. daughters; his dam, 30 lbs. or better and one or more A. R. O. daughters. **Any cows having yearly records will receive special consideration. I wish to emphasize the yearly records.**

The Cows and Heifers

As to the cows and heifers, I want 50 that must qualify as above, namely, Federal tested, etc. I want twenty 30-lb. cows, dams to have a record of 30 lbs. and granddams 25 lbs.; five 40-lb. cows, dams to have 30 lbs. and granddams 25 lbs.; and 25 heifers six months to a year old, of real breeding.

If you have something to offer that comes in this class, send full details.

JOHN A. BELL JR.

Oliver Building **Pittsburgh, Pa.**

We Can't Tell You About ALL the Good Ones in the

IOWA BREEDERS' ASSOCIATION SALE

At the State Fair Grounds, DES MOINES, IOWA

MARCH 27 and 28, 1918

140 Head

Holsteins of the Highest Quality

140 Head

Sons and Daughters of World's Record Sires

Here are a few of them:

Dora Feikje—a 29-lb. granddaughter of King Segis, bred to the $10,000 son of K. P. Pontiac Lass.

Beauty Rauwerd Hengerveld 2d—the 26.7-lb. cow from a 29-lb. daughter of Piet. Hengerveld Count De Kol.

Cora Magda Pauline—a 26-lb. cow bred to King Mutual Korndyke, the oldest son of the world's champion junior 2-year-old.

Oakdale Hengerveld Segis—25.98 lbs., sired by a 28-lb. son of King Segis.

Heilo Aaggie Johanna 6th—a 25-lb. daughter of Sir Johanna De Kol Rue, bred to King Pietertje Ormsby Piebe.

Tidy Netherland Hengerveld—a granddaughter of Piebe D. K. Burke —now on test with better than 27 lbs.

Iowana Fayne Dinia De Kol—a yearling daughter of Sir Johanna Fayne from a granddaughter of Hengerveld De Kol.

Valley Pauline Paul—a 24-lb. cow in calf to the $10,000 bull.

Fryslan Lucy—a 22-lb. 2-year-old bred to Oak De Kol Ollie Homestead.

Queen Mabel Beets Segis—a 19-lb. 2-year-old daughter of Colonel Beets Segis, bred to K. K. Pontiac Lass.

Three daughters of King Pietertje Ormsby Piebe—the world's record sire for two nearest dams.

A few bulls from sires mentioned above and from high record dams.

Auctioneers { R. E. Haeger / B. V. Kelley

S. T. WOOD in the box

Catalogs Ready Now

Send for one before the sale and look up the rest of them.

Look up the ads of individual consignors in this issue.

IOWA HOLSTEIN-FRIESIAN BREEDERS' ASSN.

F. C. Barney, Secy. CHAPIN, IOWA